

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050181.D
 Acq On : 30 Jul 2018 12:40
 Operator : MD\SY
 Sample : VN0730WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:20:22 PM

Quant Time: Jul 31 01:31:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	556624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	855709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	773486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	366594	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	410197	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
35) Dibromofluoromethane	7.59	113	363657	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	10.09	98	1283684	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.40	95	415743	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	152226	19.03	ug/l	98
3) Chloromethane	2.06	50	154505	17.77	ug/l	98
4) Vinyl Chloride	2.18	62	163301	17.84	ug/l	98
5) Bromomethane	2.56	94	66153	12.25	ug/l	99
6) Chloroethane	2.70	64	100089	18.20	ug/l	96
7) Trichlorofluoromethane	3.01	101	216787	18.28	ug/l	98
8) Diethyl Ether	3.41	74	79893	20.21	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	132615	18.59	ug/l	100
10) Methyl Iodide	3.95	142	83826	9.16	ug/l	99
11) Tert butyl alcohol	4.80	59	49217	86.13	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	118422	18.46	ug/l	98
13) Acrolein	3.61	56	20041	43.65	ug/l	99
14) Allyl chloride	4.33	41	196171	19.72	ug/l	99
15) Acrylonitrile	4.99	53	234254	93.96	ug/l	98
16) Acetone	3.82	43	182664	97.20	ug/l	98
17) Carbon Disulfide	4.05	76	337156	17.15	ug/l	100
18) Methyl Acetate	4.33	43	168392	22.78	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	348699	20.40	ug/l	99
20) Methylene Chloride	4.55	84	149048	20.92	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	129354	19.03	ug/l	97
22) Diisopropyl ether	5.96	45	425785	21.59	ug/l	96
23) Vinyl Acetate	5.90	43	1366300	98.02	ug/l	100
24) 1,1-Dichloroethane	5.85	63	254979	19.77	ug/l	99
25) 2-Butanone	6.84	43	271804	91.76	ug/l	100
26) 2,2-Dichloropropane	6.83	77	200098	20.39	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	150097	20.51	ug/l	99
28) Bromochloromethane	7.20	49	121248	20.61	ug/l	99
29) Tetrahydrofuran	7.22	42	176800	92.36	ug/l	98
30) Chloroform	7.37	83	262412	19.94	ug/l	99
31) Cyclohexane	7.66	56	200498	18.70	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	213084	18.93	ug/l	99
36) 1,1-Dichloropropene	7.80	75	178222	18.49	ug/l	99
37) Ethyl Acetate	6.94	43	119354	17.76	ug/l	98
38) Carbon Tetrachloride	7.78	117	187563	18.34	ug/l	98

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Quant Time: Jul 31 01:31:05 2018
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 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	178001	17.95	ug/l	99
40) Benzene	8.04	78	575752	19.63	ug/l	99
41) Methacrylonitrile	7.18	41	69638	21.55	ug/l #	79
42) 1,2-Dichloroethane	8.13	62	190163	19.43	ug/l	100
43) Isopropyl Acetate	8.17	43	280518	21.50	ug/l #	91
44) Trichloroethene	8.84	130	144149	18.29	ug/l	97
45) 1,2-Dichloropropane	9.12	63	155781	20.05	ug/l	98
46) Dibromomethane	9.21	93	93242	19.33	ug/l	98
47) Bromodichloromethane	9.40	83	201600	19.80	ug/l	100
48) Methyl methacrylate	9.20	41	109456	18.91	ug/l	99
49) 1,4-Dioxane	9.20	88	28174	357.63	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	611141	92.49	ug/l	99
52) Toluene	10.16	92	341737	19.73	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	192380	20.02	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	221932	20.21	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	137485	20.02	ug/l	99
56) Ethyl methacrylate	10.43	69	154370	17.95	ug/l	99
57) 1,3-Dichloropropane	10.71	76	224147	20.04	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	354227	87.23	ug/l	100
59) 2-Hexanone	10.75	43	389195	83.67	ug/l	99
60) Dibromochloromethane	10.90	129	149007	19.59	ug/l	98
61) 1,2-Dibromoethane	11.01	107	128908	18.92	ug/l	99
64) Tetrachloroethene	10.63	164	131962	17.75	ug/l	99
65) Chlorobenzene	11.44	112	369232	18.90	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	146308	19.49	ug/l	99
67) Ethyl Benzene	11.51	91	601435	19.16	ug/l	99
68) m/p-Xylenes	11.62	106	467246	39.36	ug/l	100
69) o-Xylene	11.95	106	226189	19.99	ug/l	98
70) Styrene	11.97	104	358577	18.41	ug/l	100
71) Bromoform	12.13	173	98843	18.10	ug/l #	97
73) Isopropylbenzene	12.25	105	582936	20.50	ug/l	99
74) N-amyl acetate	12.07	43	156340	17.99	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	166446	20.89	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	147538m	21.66	ug/l	
77) Bromobenzene	12.53	156	158799	20.15	ug/l	99
78) n-propylbenzene	12.59	91	658830	20.73	ug/l	100
79) 2-Chlorotoluene	12.68	91	410736	20.85	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	486594	21.76	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39368	18.33	ug/l	96
82) 4-Chlorotoluene	12.77	91	400222	20.52	ug/l	99
83) tert-Butylbenzene	12.99	119	412715	21.15	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	492803	21.86	ug/l	99
85) sec-Butylbenzene	13.17	105	540291	20.72	ug/l	100
86) p-Isopropyltoluene	13.29	119	459914	20.93	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	263081	19.69	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	254427	19.54	ug/l	99
89) n-Butylbenzene	13.62	91	348951	19.31	ug/l	99
90) Hexachloroethane	13.88	117	91459	18.75	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	265666	19.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23723	18.21	ug/l	98

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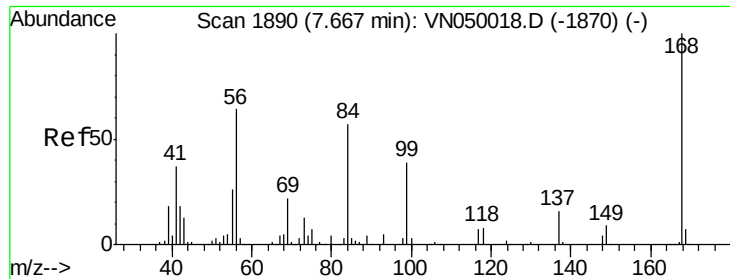
Manual Integrations
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QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	101414	16.52	ug/l	99
94) Hexachlorobutadiene	15.01	225	80022	19.58	ug/l	99
95) Naphthalene	15.14	128	202772	15.46	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	106419	16.95	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

Tot Ion:168 Resp: 556624

Ion Ratio Lower Upper

168 100

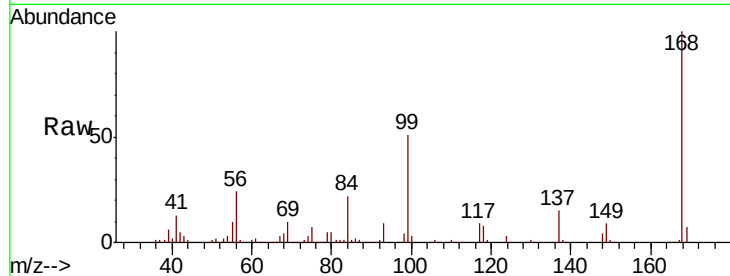
99 50.5 40.0 60.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

250000

200000

150000

100000

50000

0

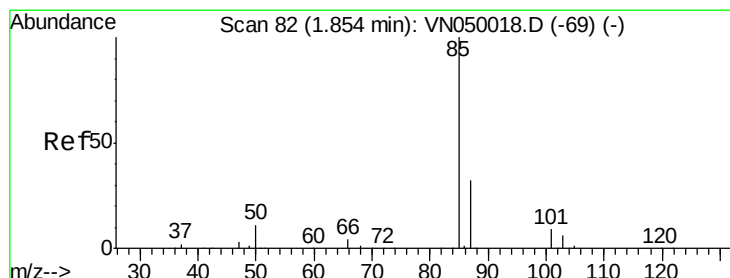
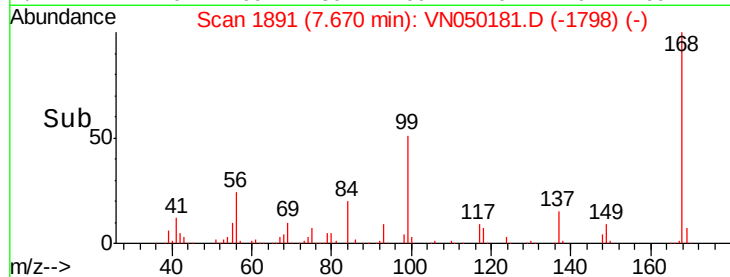
7.60

7.67

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.03 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN050181.D

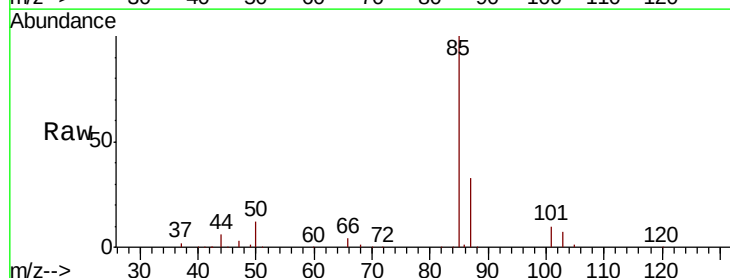
Acq: 30 Jul 2018 12:40

Tgt Ion: 85 Resp: 152226

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

120000

100000

80000

60000

40000

20000

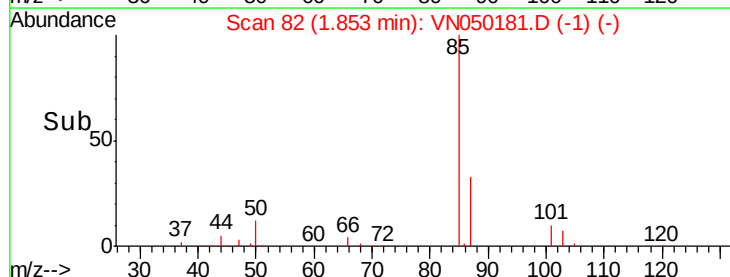
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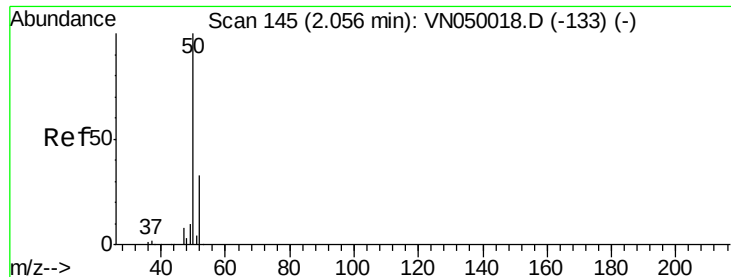
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 17.77 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

Tot Ion: 50 Resp: 154505

Ion Ratio Lower Upper

50 100

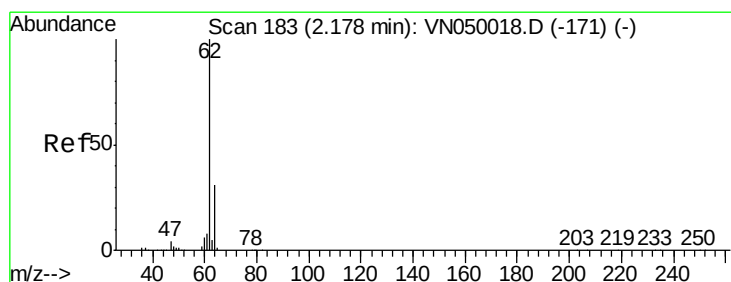
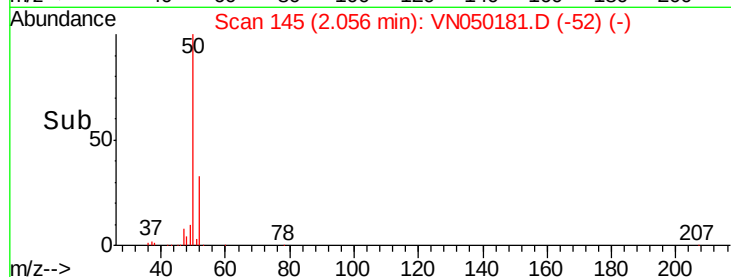
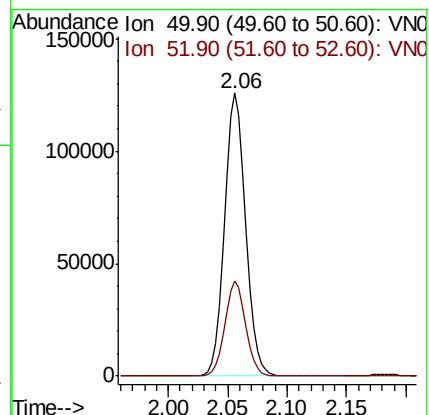
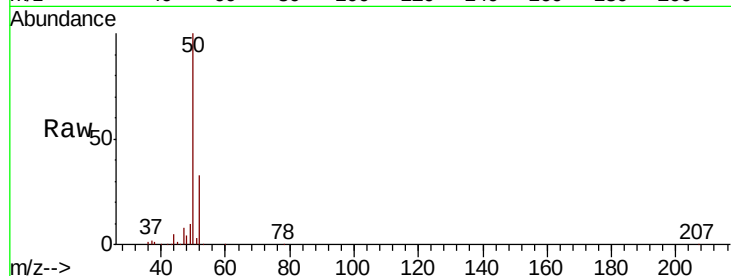
52 33.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.84 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050181.D

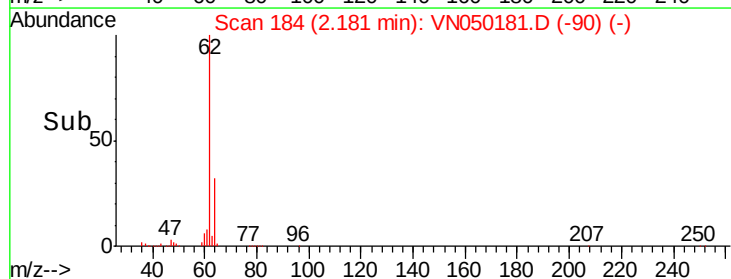
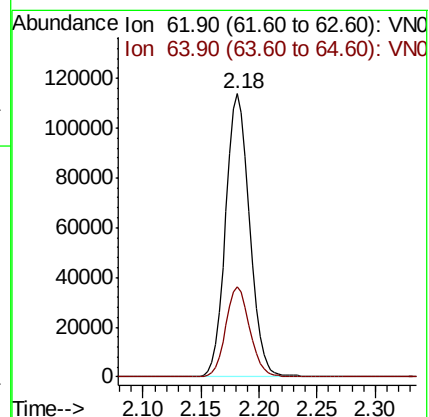
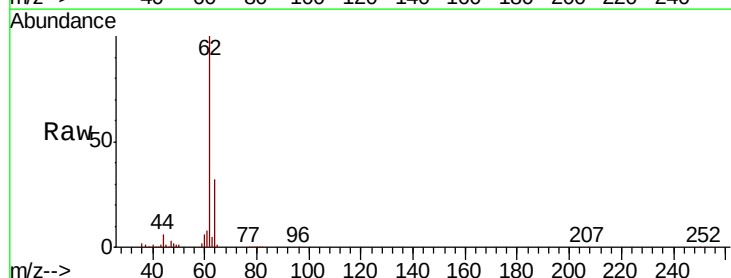
Acq: 30 Jul 2018 12:40

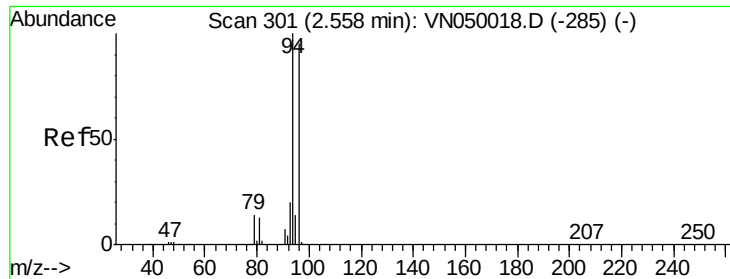
Tgt Ion: 62 Resp: 163301

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1





#5

Bromomethane

Concen: 12.25 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

Tot Ion: 94 Resp: 66153

Ion Ratio Lower Upper

94 100

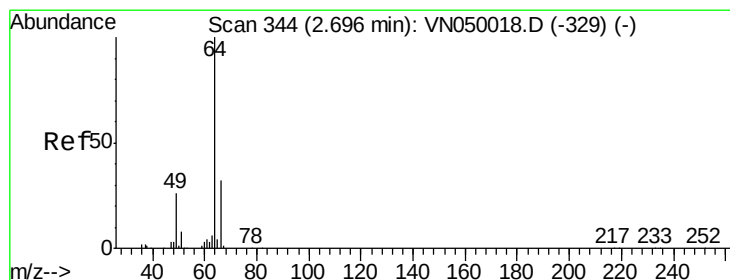
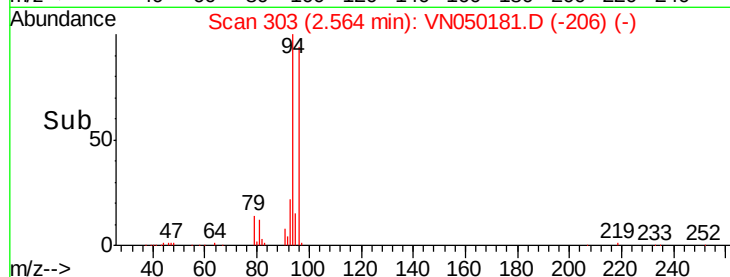
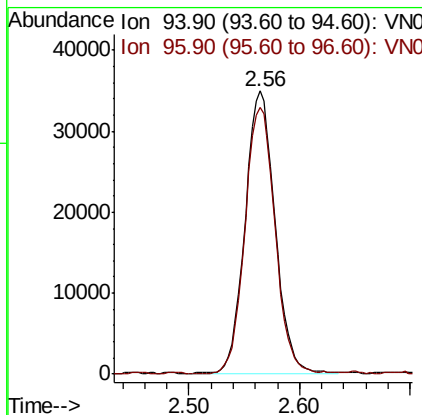
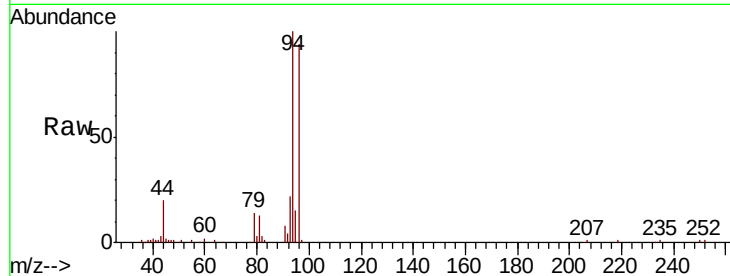
96 94.1 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 18.20 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050181.D

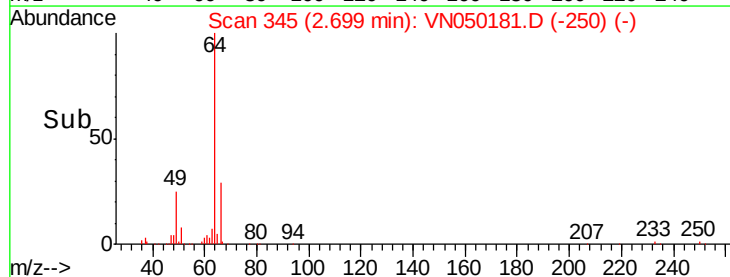
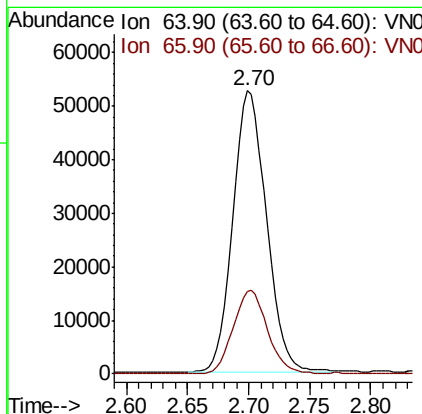
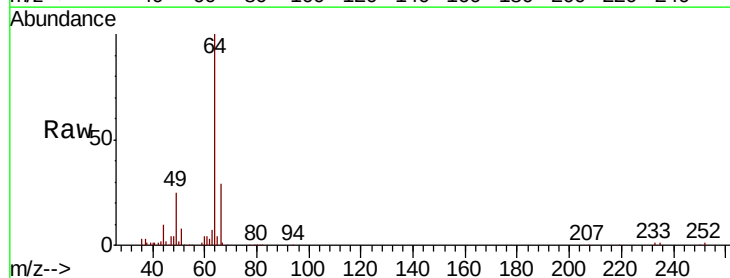
Acq: 30 Jul 2018 12:40

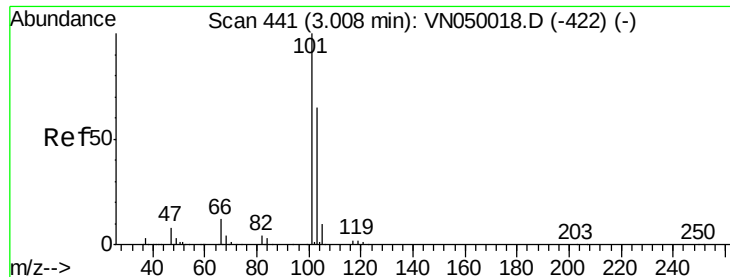
Tgt Ion: 64 Resp: 100089

Ion Ratio Lower Upper

64 100

66 29.4 25.3 37.9





#7

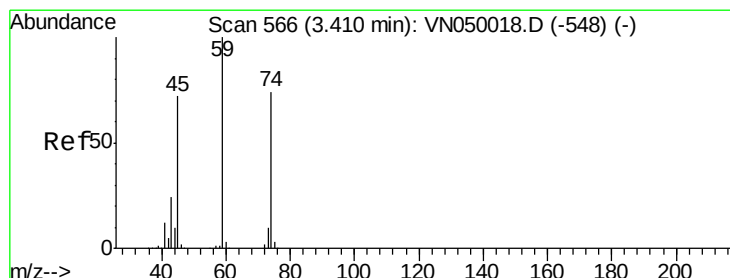
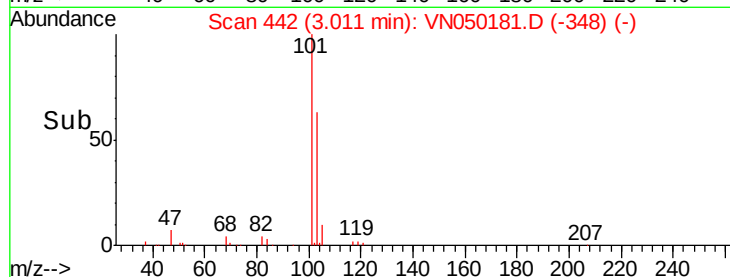
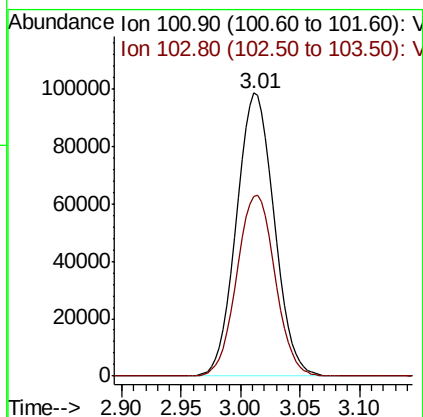
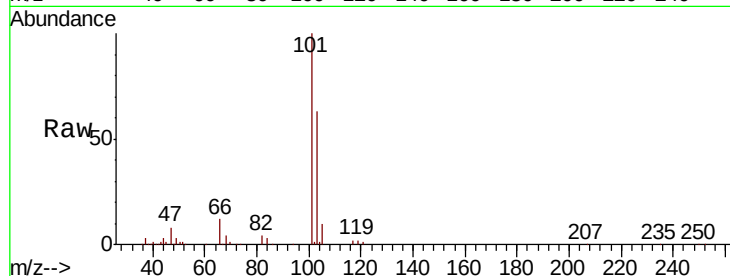
Trichlorofluoromethane
 Concen: 18.28 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Instrument :
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 ClientSampleId :
 VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.7	77.5

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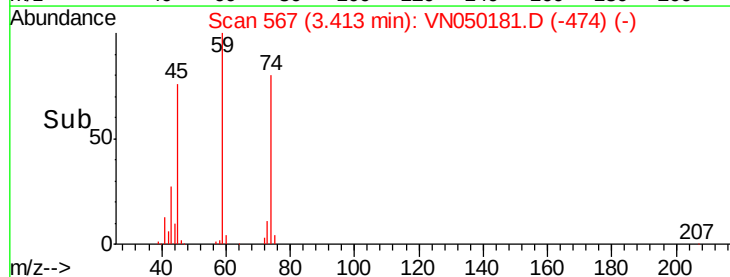
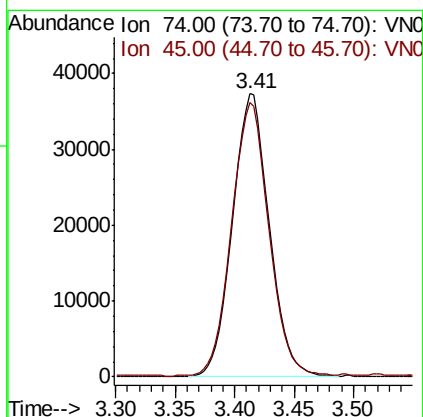
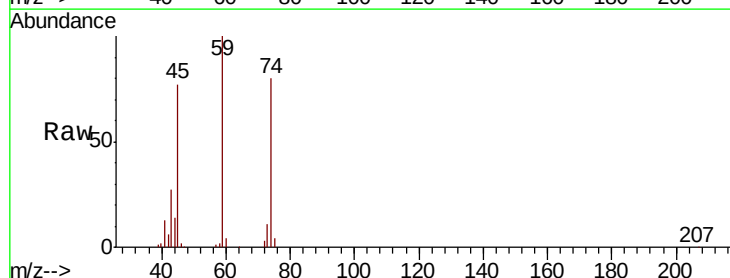
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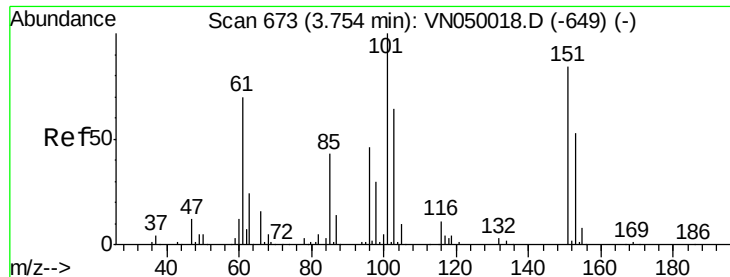


#8

Diethyl Ether
 Concen: 20.21 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.59 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

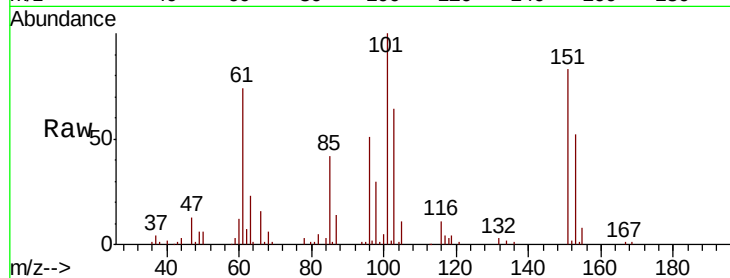
ClientSampleId :

VN0730WBSD01

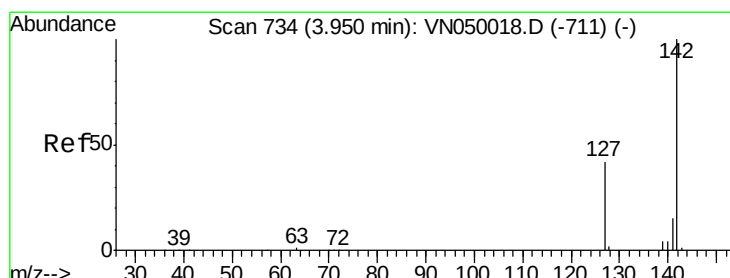
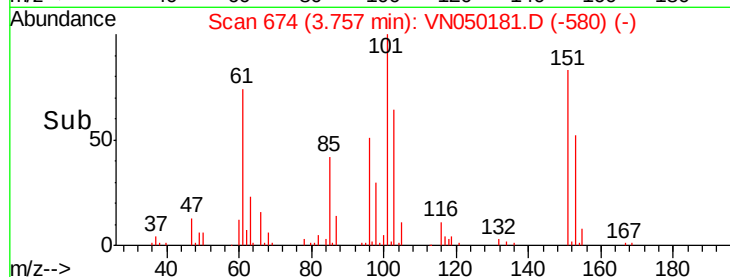
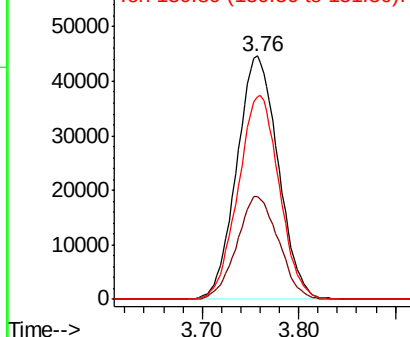
Tot Ion:	101	Resp:	132615
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.2
151	83.3	66.3	99.5

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.16 ug/l

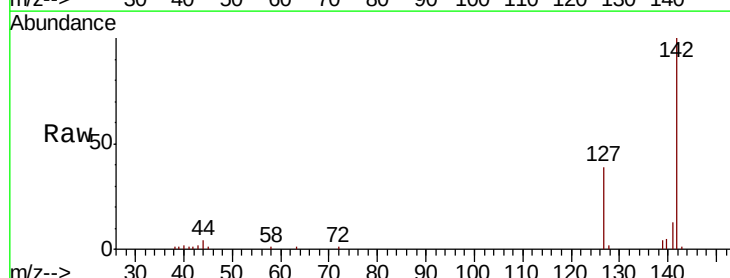
RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

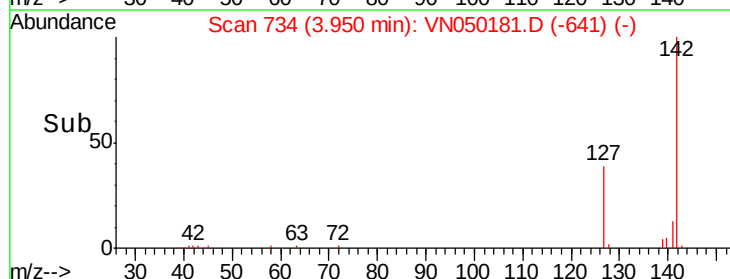
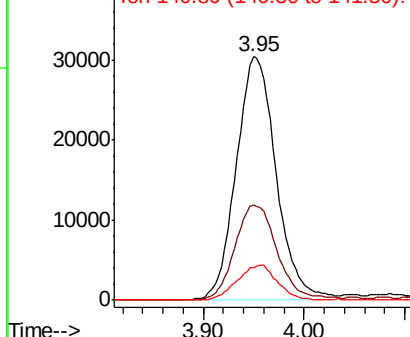
Lab File: VN050181.D

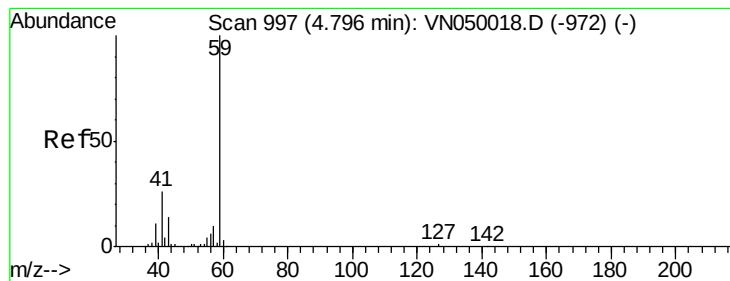
Acq: 30 Jul 2018 12:40

Tgt Ion:	142	Resp:	83826
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.4	50.2
141	14.2	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

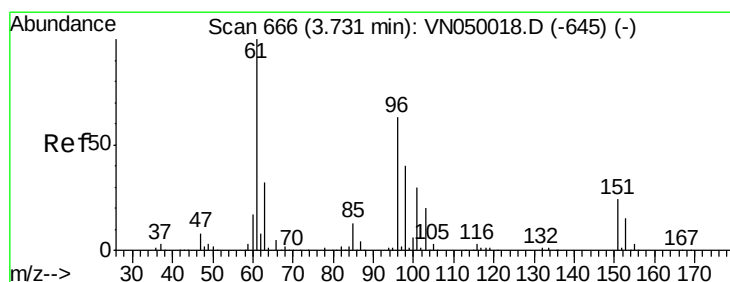
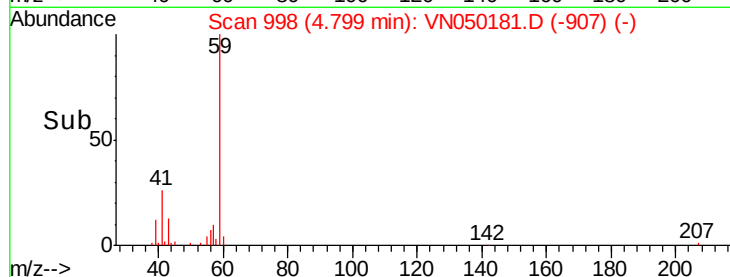
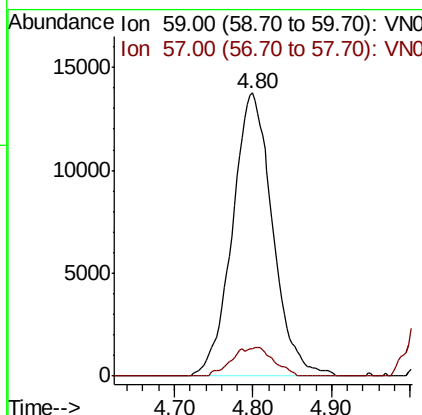
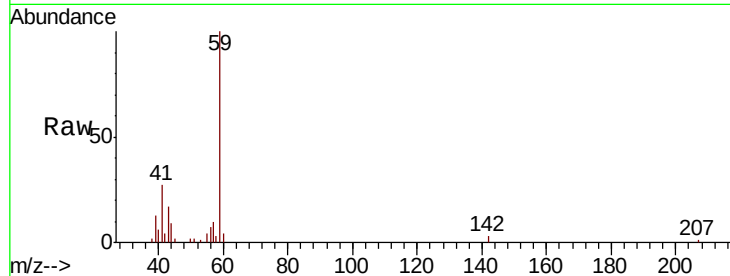
Tert butyl alcohol
 Concen: 86.13 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	0.0	8.5	12.7#

Manual Integrations
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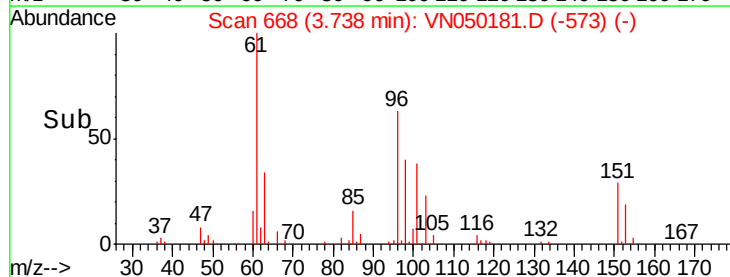
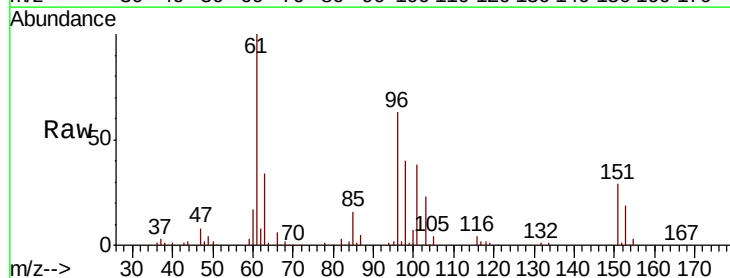
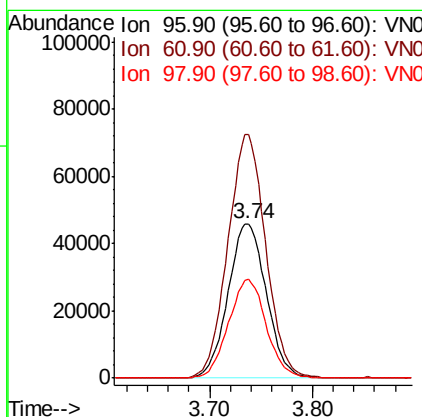
MMDadoda
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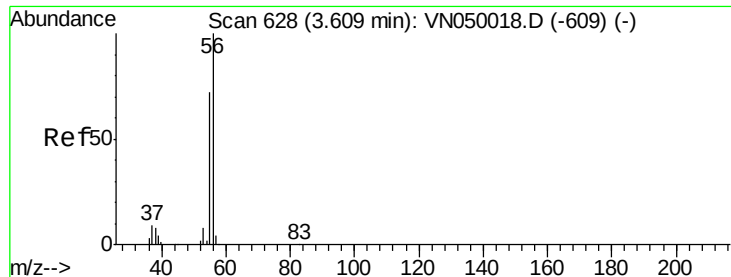


#12

1,1-Dichloroethene
 Concen: 18.46 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	157.0	124.4	186.6
98	98	63.6	48.3	72.5





#13

Acrolein

Concen: 43.65 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

Tot Ion: 56 Resp: 20041

Ion Ratio Lower Upper

56 100

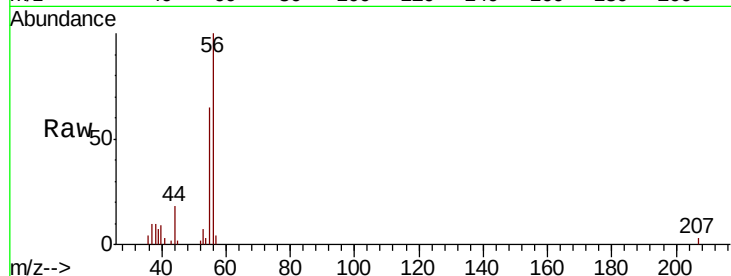
55 70.2 55.8 83.6

Manual Integrations

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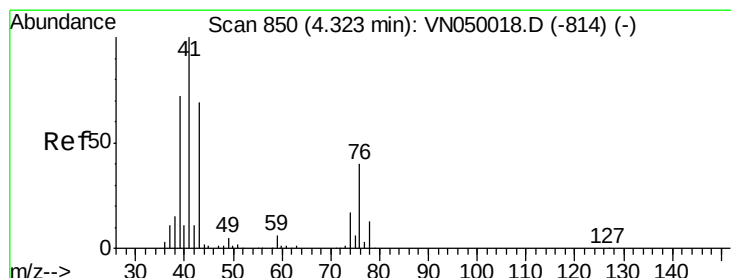
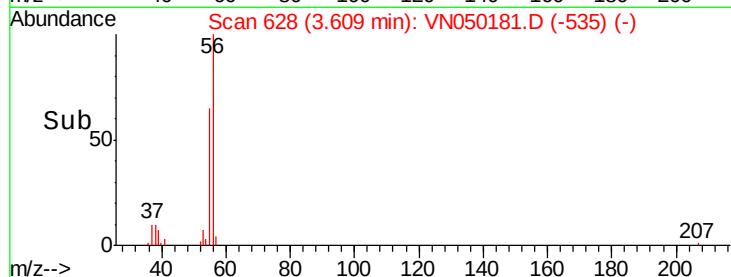
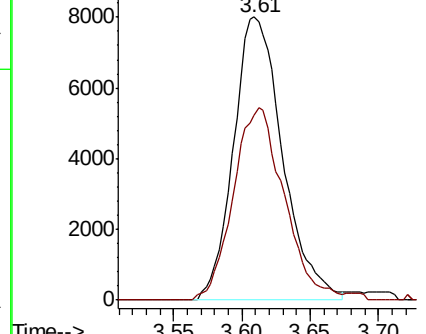
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.72 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

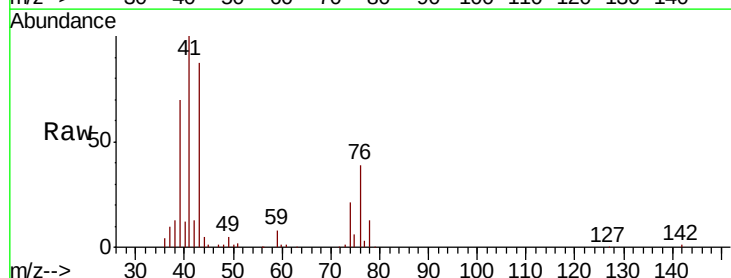
Tgt Ion: 41 Resp: 196171

Ion Ratio Lower Upper

41 100

39 66.6 54.2 81.4

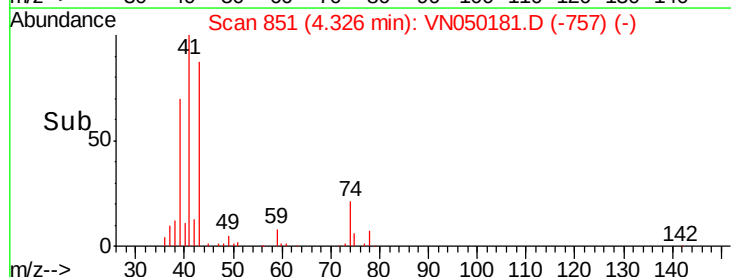
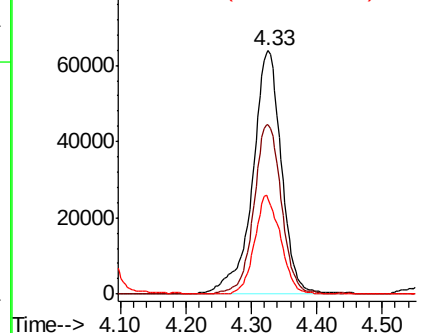
76 36.5 29.0 43.6

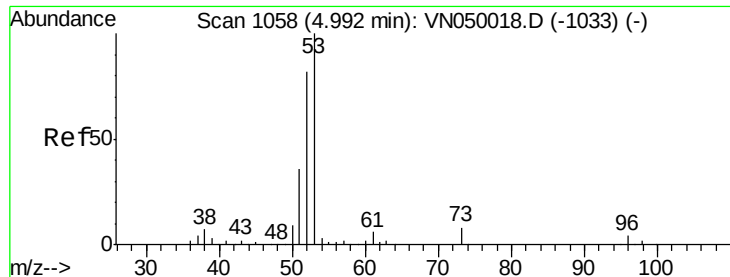


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 93.96 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

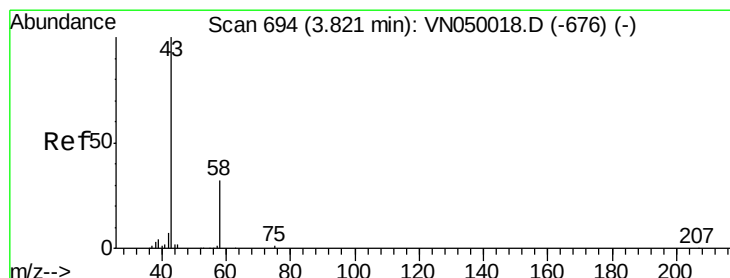
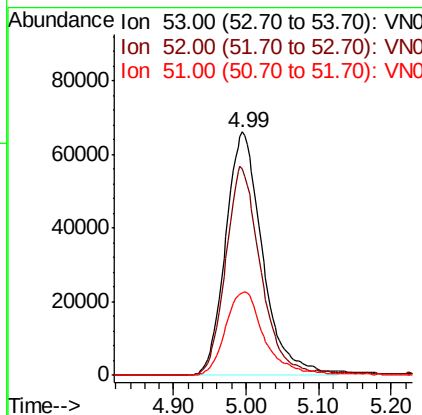
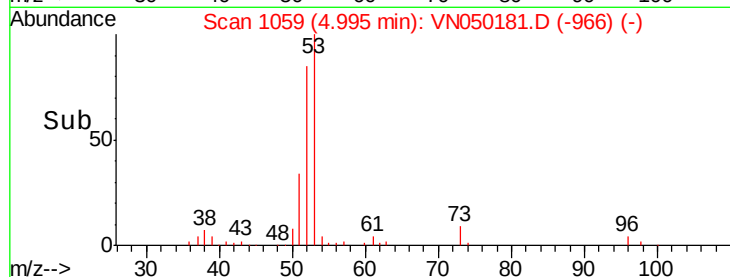
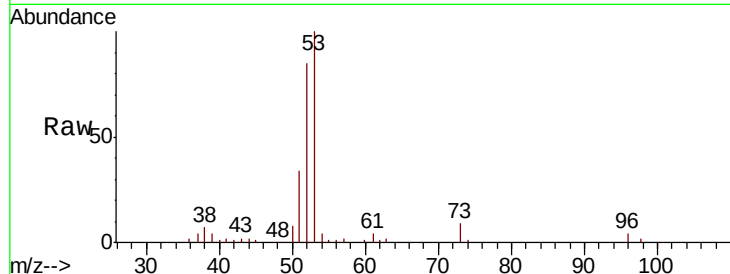
ClientSampleId :

VN0730WBSD01

Tot Ion:	53	Resp:	234254
Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.2	99.2
51	36.3	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 97.20 ug/l

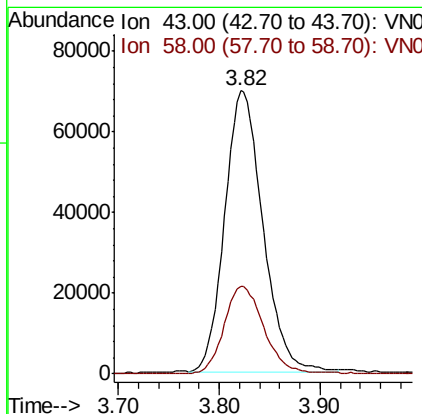
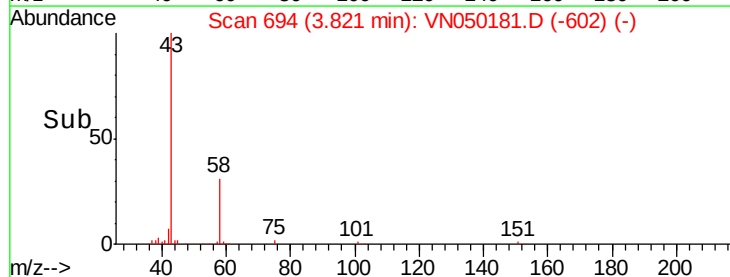
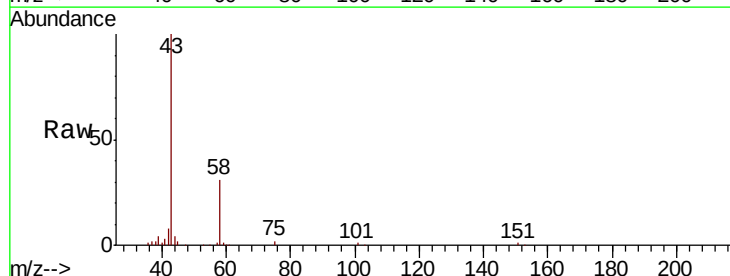
RT: 3.82 min Scan# 694

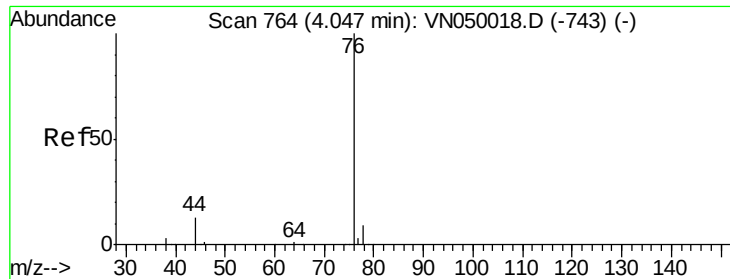
Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Tgt Ion:	43	Resp:	182664
Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.8	38.8





#17

Carbon Disulfide

Concen: 17.15 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

Tot Ion: 76 Resp: 337156

Ion Ratio Lower Upper

76 100

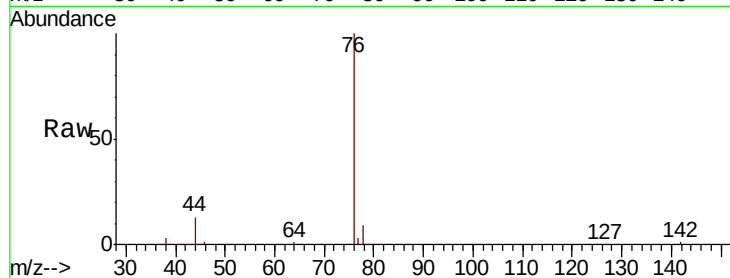
78 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

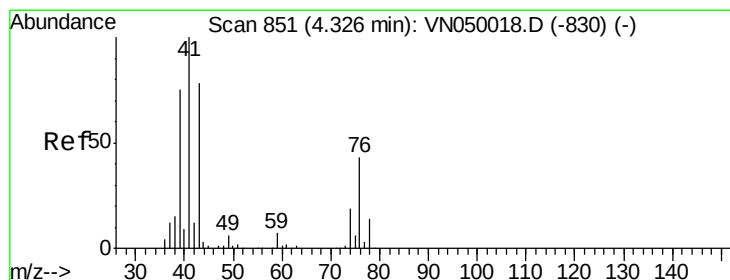
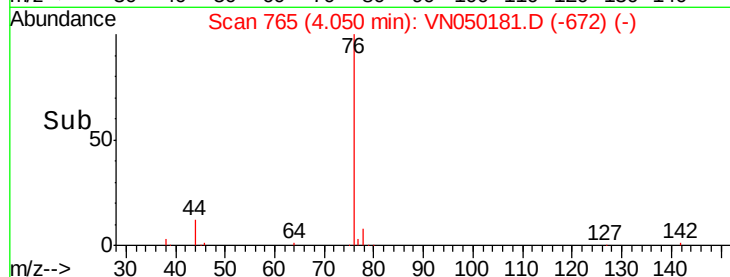
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.78 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050181.D

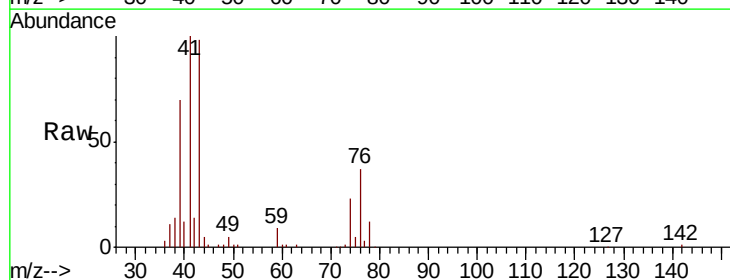
Acq: 30 Jul 2018 12:40

Tgt Ion: 43 Resp: 168392

Ion Ratio Lower Upper

43 100

74 23.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

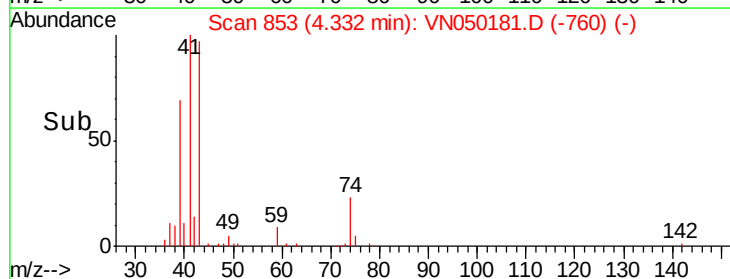
60000

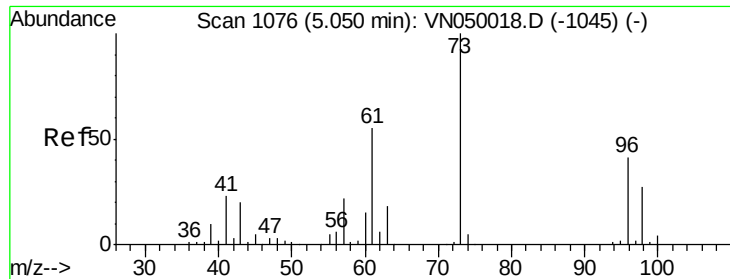
40000

20000

0

Time-->





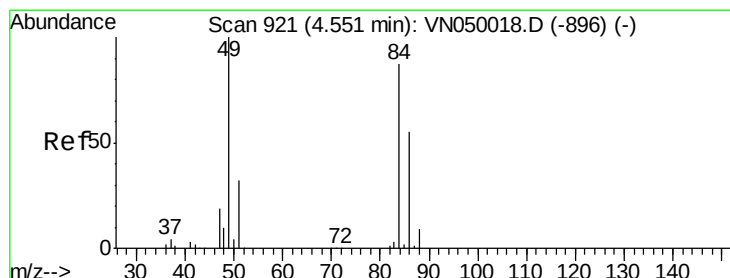
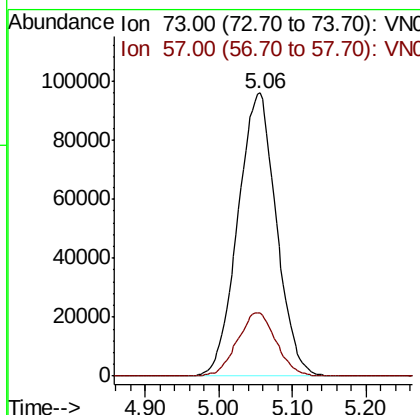
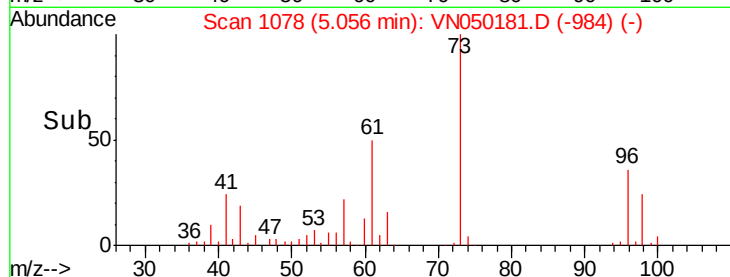
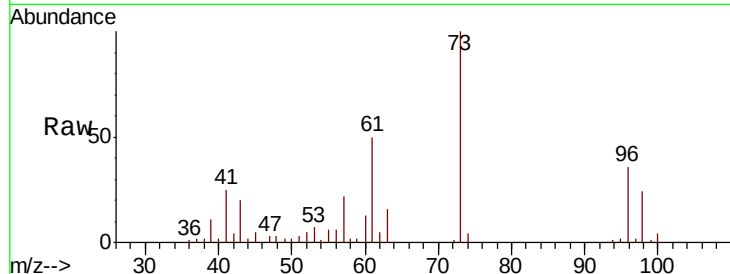
#19
Methyl tert-butyl Ether
Concen: 20.40 ug/l
RT: 5.06 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampled :
VN0730WBSD01

Tot Ion: 73 Resp: 348699
Ion Ratio Lower Upper
73 100
57 22.1 18.0 27.0

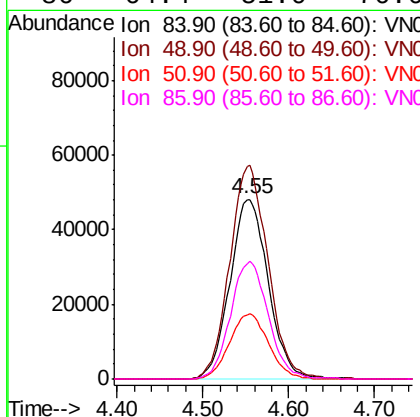
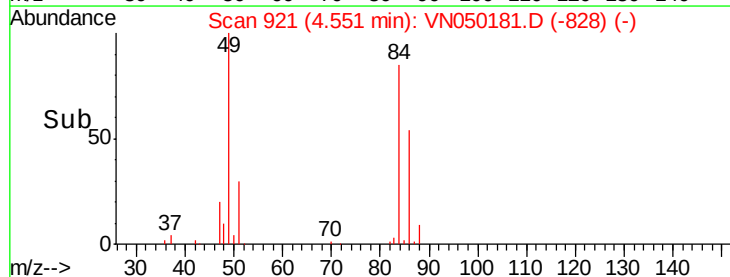
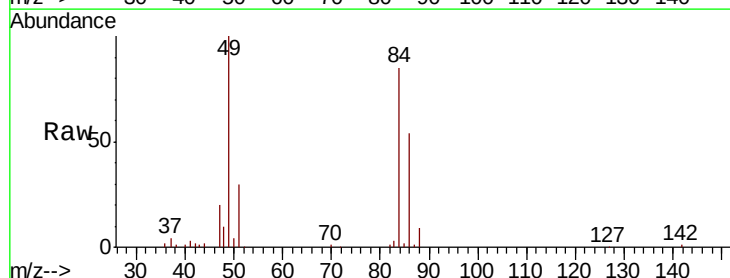
Manual Integrations
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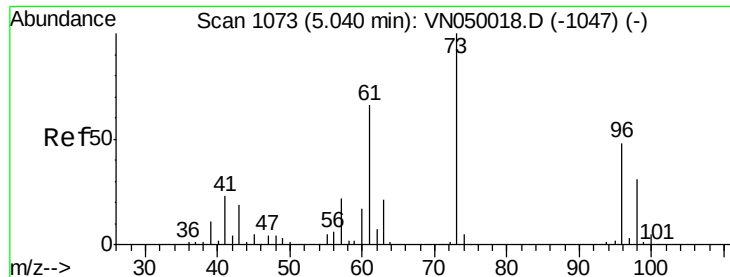
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#20
Methylene Chloride
Concen: 20.92 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion: 84 Resp: 149048
Ion Ratio Lower Upper
84 100
49 118.2 94.8 142.2
51 35.9 28.3 42.5
86 64.4 51.0 76.6





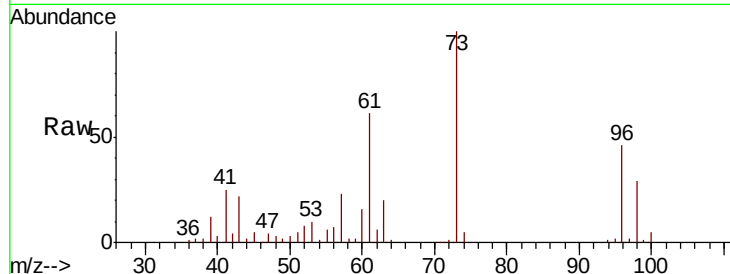
#21
trans-1,2-Dichloroethene
Concen: 19.03 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.9	110.7	166.1
98	64.1	51.6	77.4

Manual Integrations
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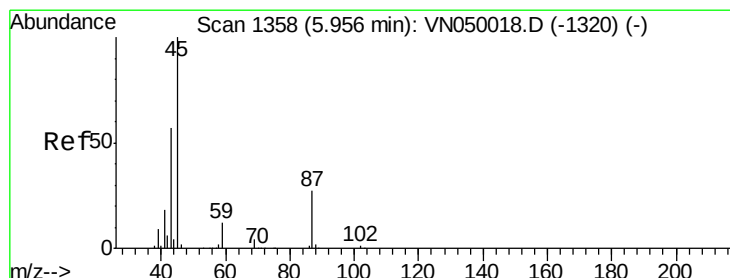
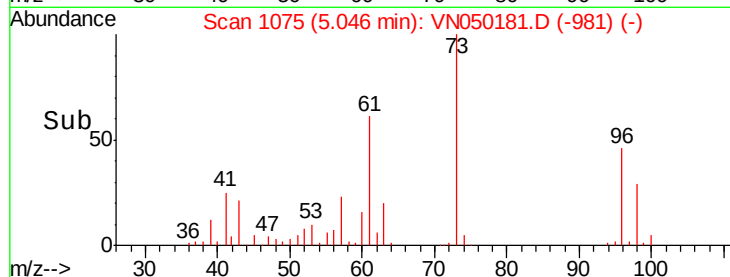
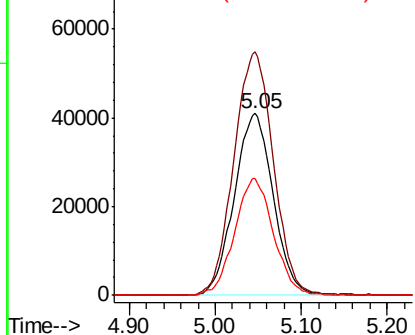


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 21.59 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	45.7	68.5
87	28.9	22.7	34.1
59	12.6	9.5	14.3

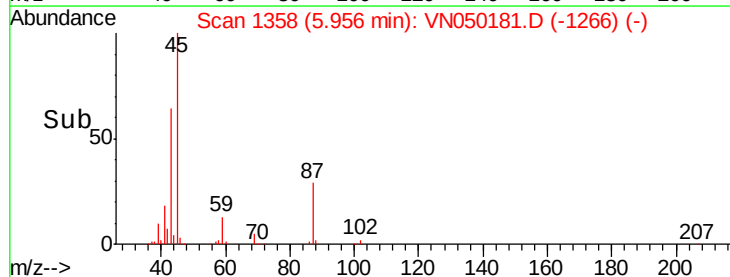
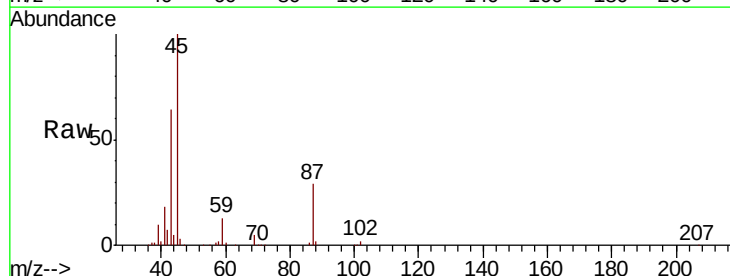
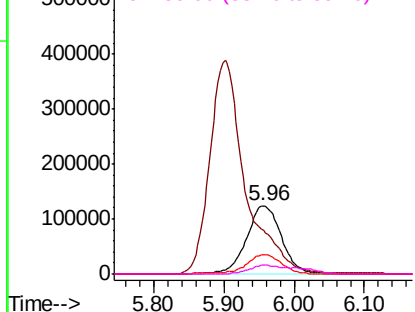
Abundance

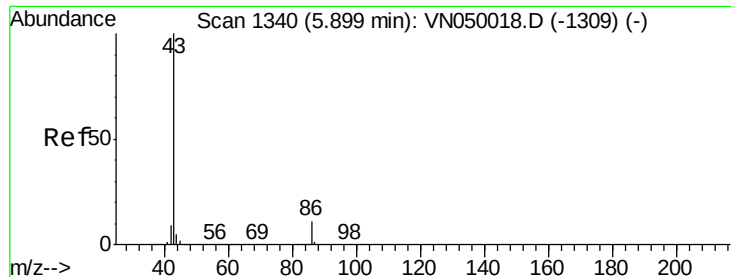
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 98.02 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

Tot Ion: 43 Resp: 1366300

Ion Ratio Lower Upper

43 100

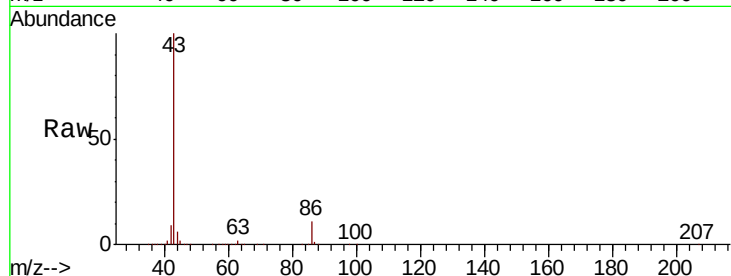
86 10.6 8.6 13.0

Manual Integrations

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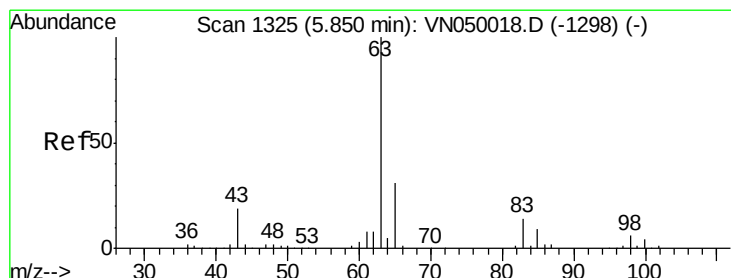
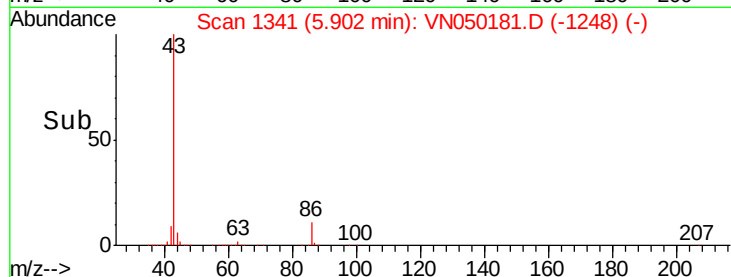
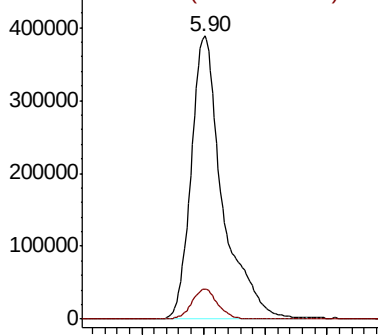
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.77 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

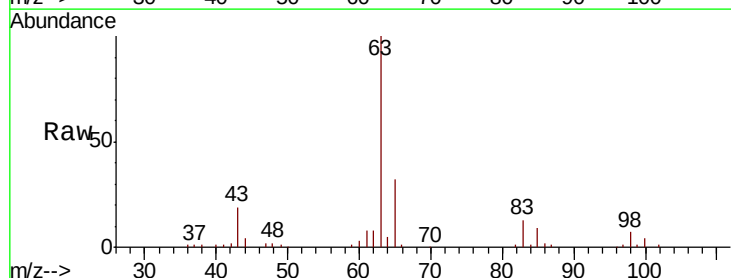
Tgt Ion: 63 Resp: 254979

Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.8

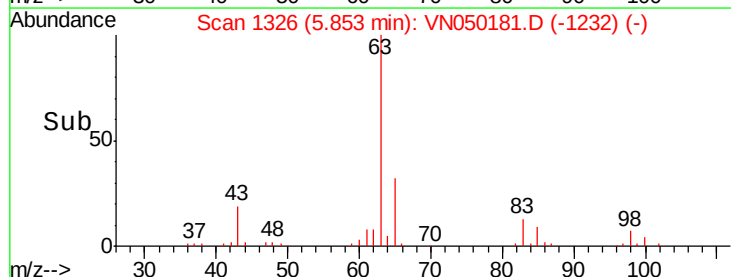
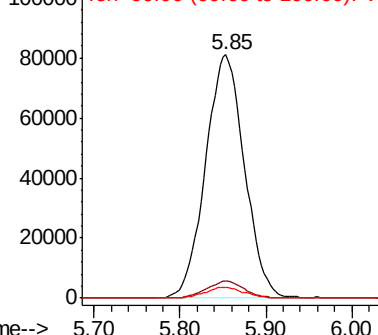
100 4.2 2.1 6.3

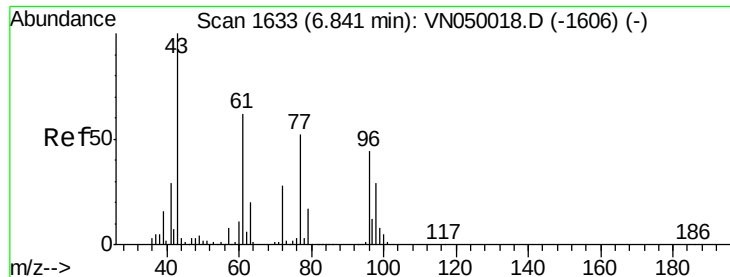


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 91.76 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampled :

VN0730WBSD01

Tot Ion: 43 Resp: 271804

Ion Ratio Lower Upper

43 100

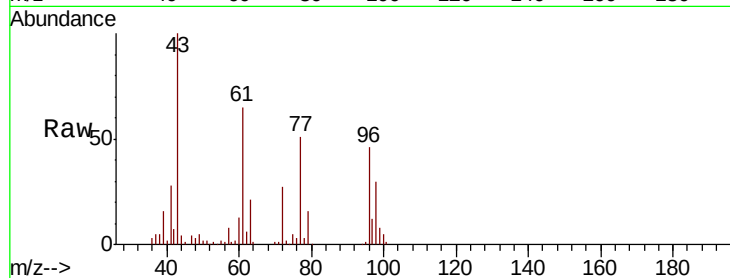
72 26.7 21.5 32.3

Manual Integrations

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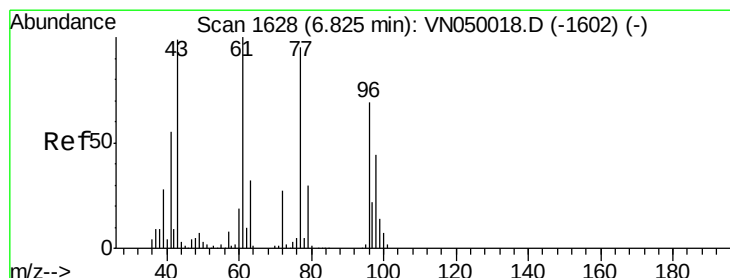
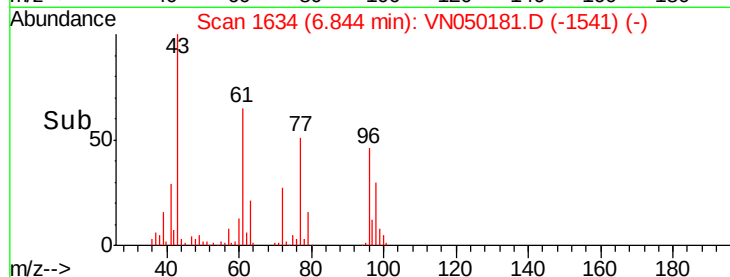
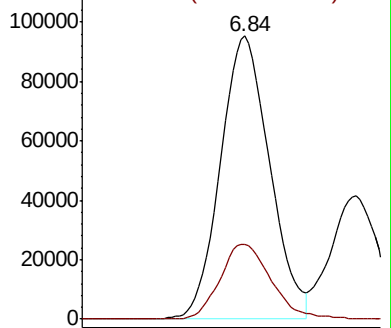
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.39 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050181.D

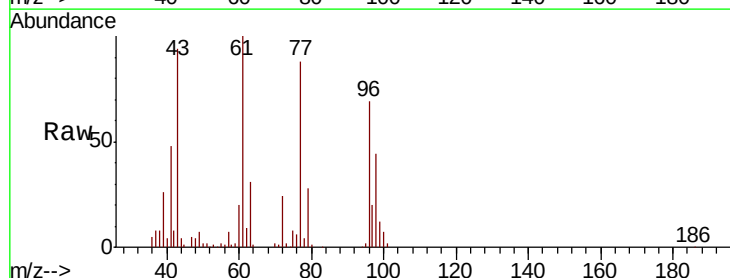
Acq: 30 Jul 2018 12:40

Tgt Ion: 77 Resp: 200098

Ion Ratio Lower Upper

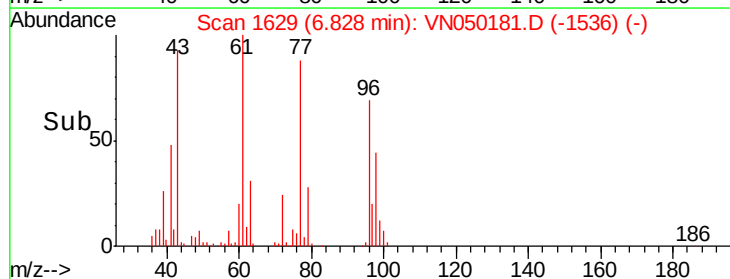
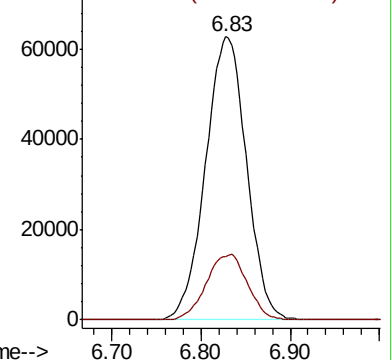
77 100

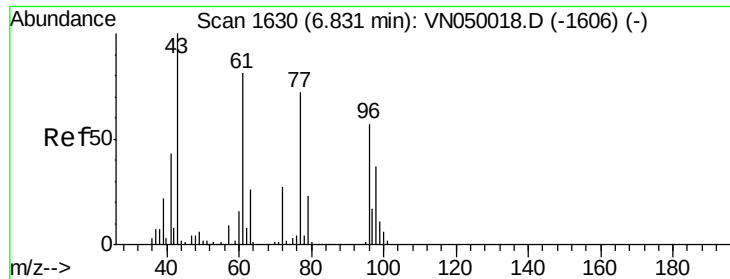
97 23.3 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





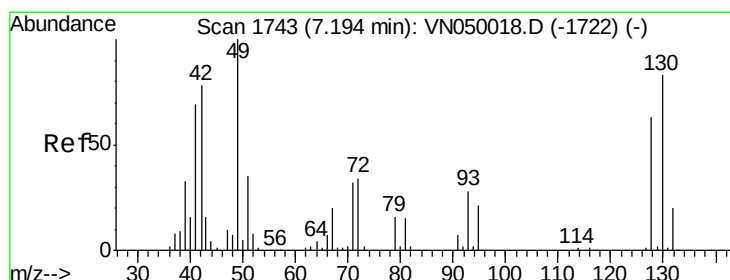
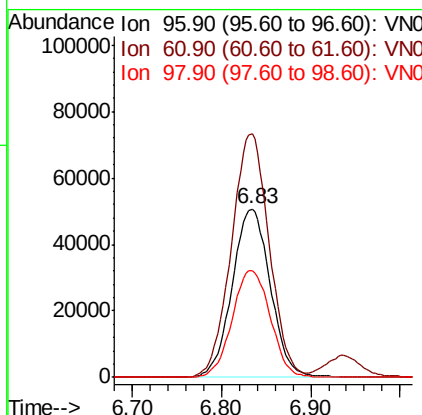
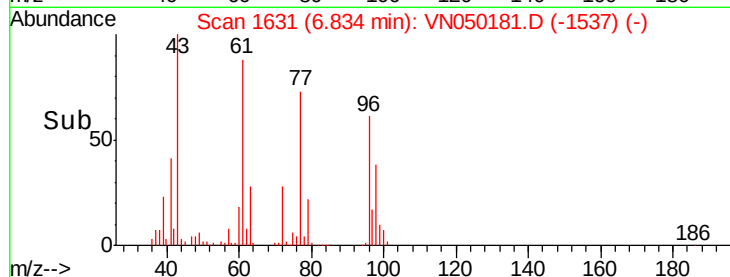
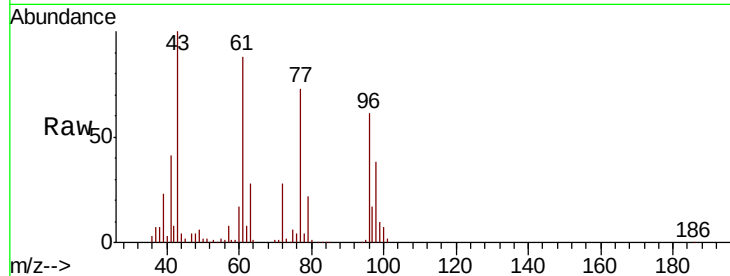
#27
 cis-1,2-Dichloroethene
 Concen: 20.51 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.5	0.0	285.0	
98	63.5	0.0	129.2	

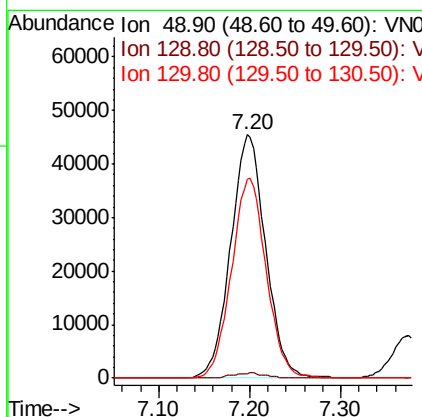
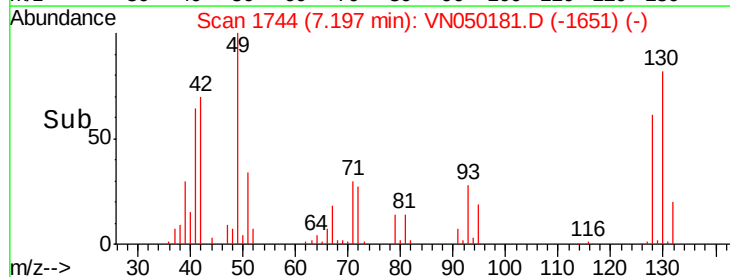
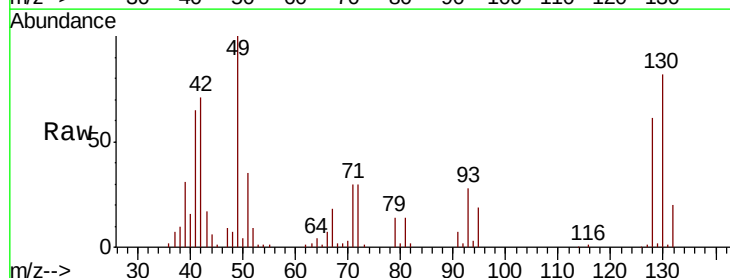
Manual Integrations
 APPROVED

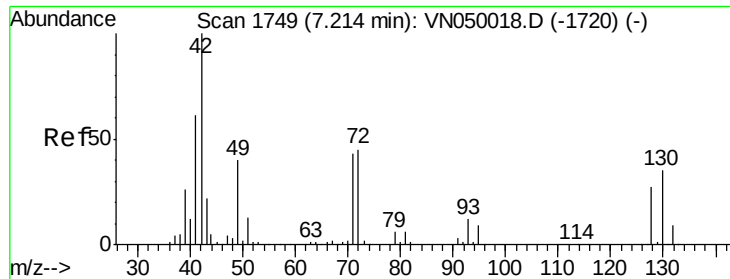
MMDadoda
 7/31/2018 3:20:22 PM



#28
 Bromochloromethane
 Concen: 20.61 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	4.0	
130	81.8	66.3	99.5	





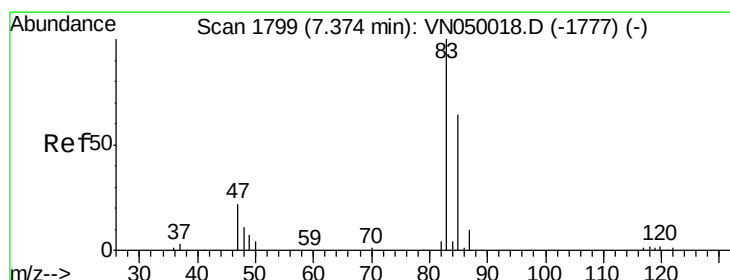
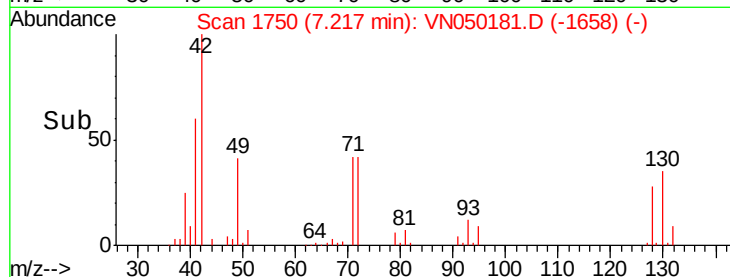
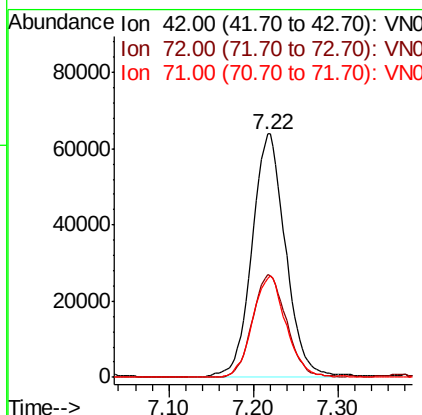
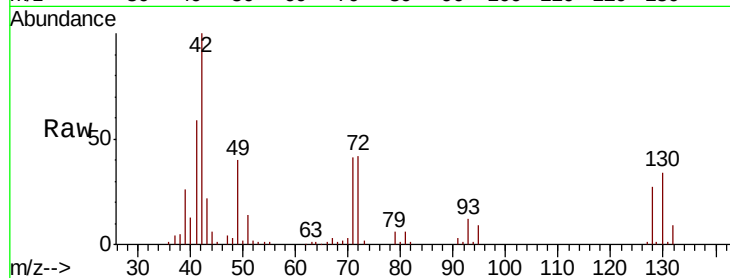
#29
Tetrahydrofuran
Concen: 92.36 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	35.9	53.9
71	41.5	33.7	50.5

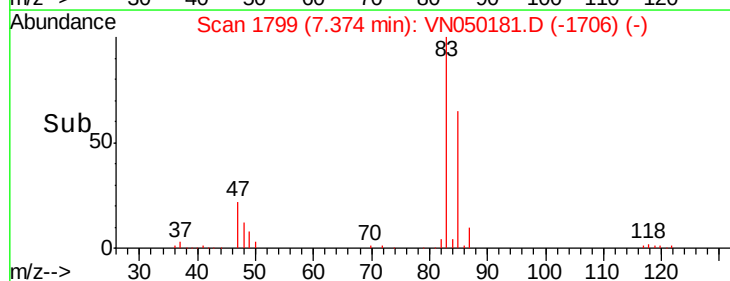
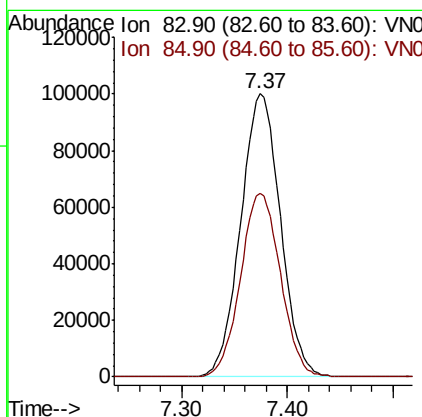
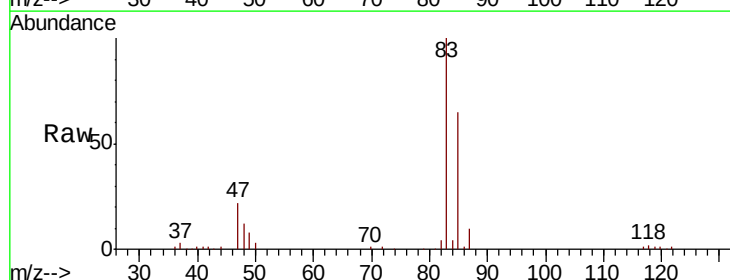
Manual Integrations
APPROVED

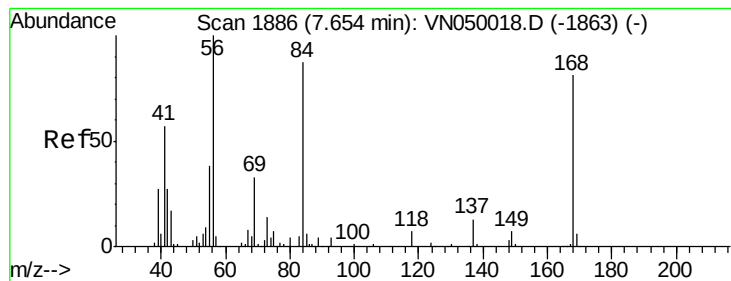
MMDadoda
7/31/2018 3:20:22 PM



#30
Chloroform
Concen: 19.94 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.5	78.7





#31

Cyclohexane

Concen: 18.70 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

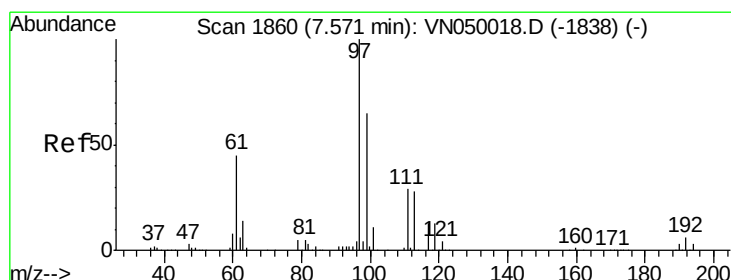
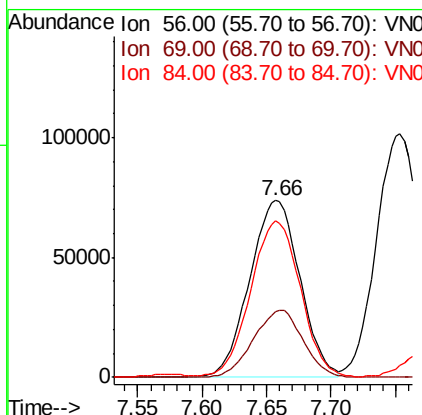
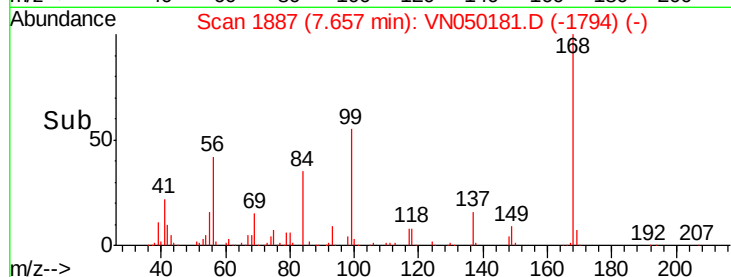
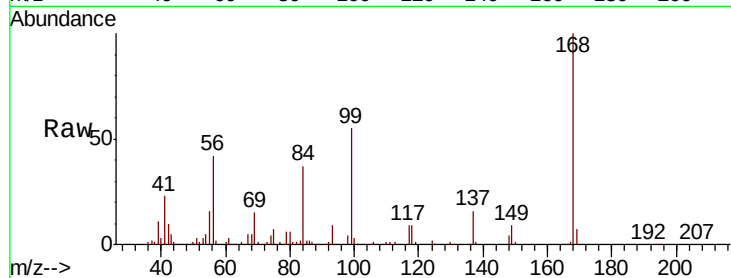
ClientSampleId :

VN0730WBSD01

Tot Ion:	56	Resp:	200498
Ion Ratio	Lower	Upper	
56	100		
69	36.9	26.2	39.4
84	87.1	67.4	101.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.93 ug/l

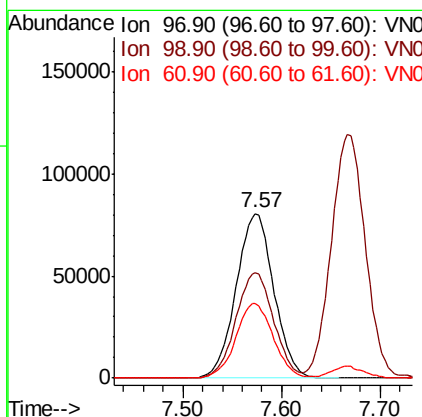
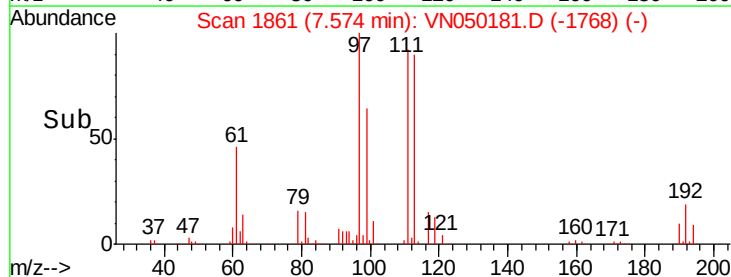
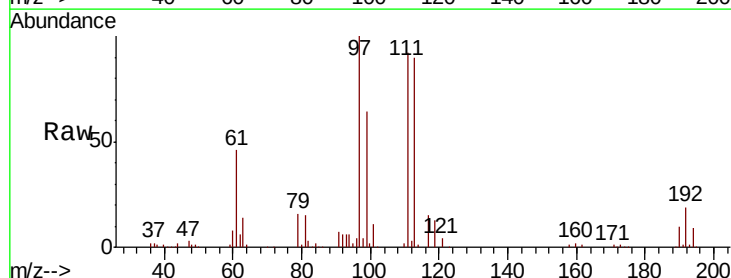
RT: 7.57 min Scan# 1861

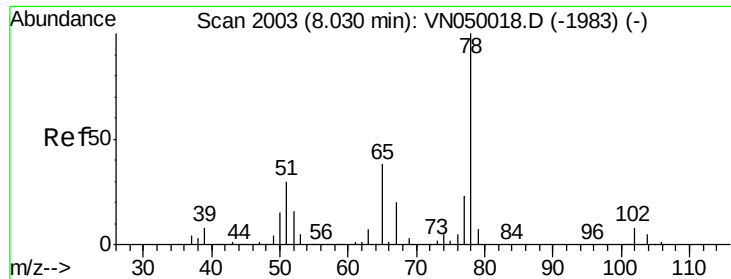
Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Tgt Ion:	97	Resp:	213084
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.4	77.0
61	45.0	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 52.82 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

Tot Ion: 65 Resp: 410197

Ion Ratio Lower Upper

65 100

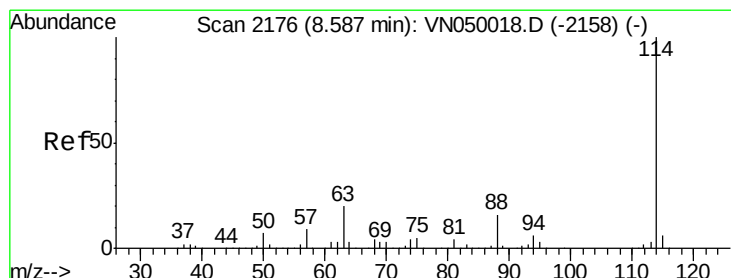
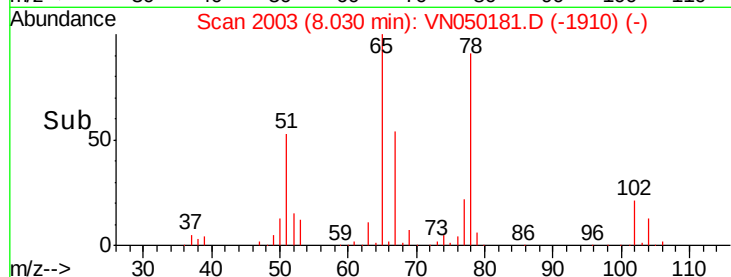
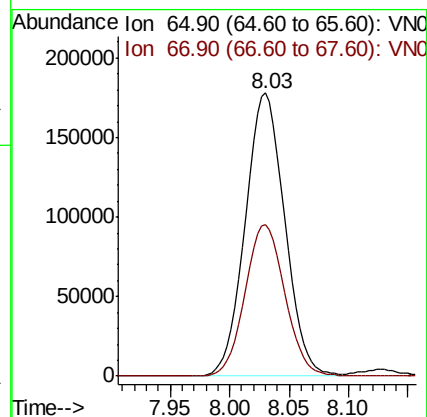
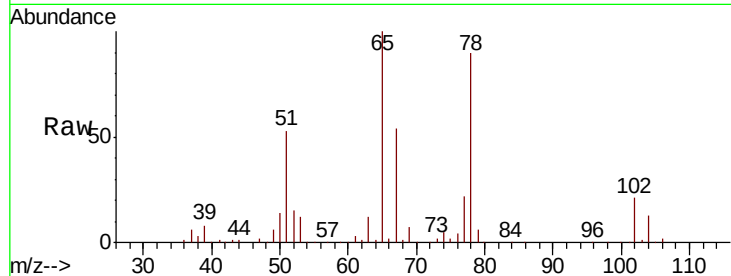
67 53.9 0.0 108.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

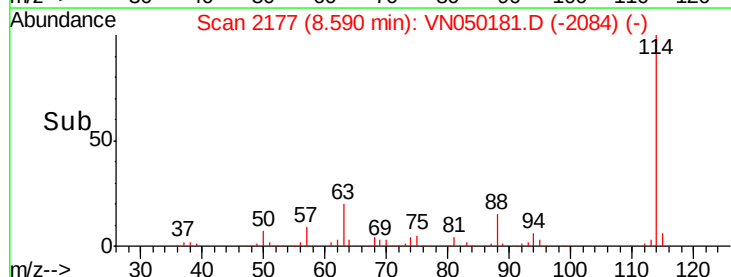
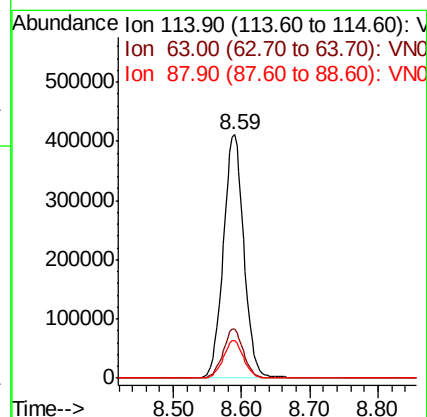
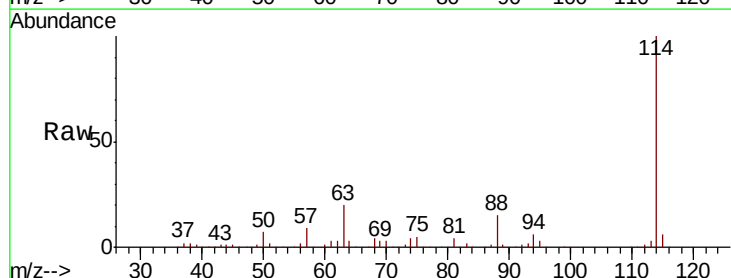
Tgt Ion: 114 Resp: 855709

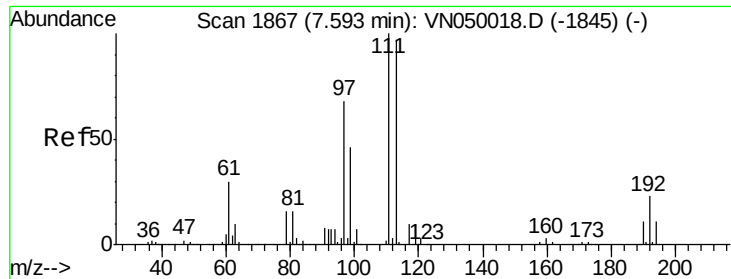
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 15.4 0.0 31.2





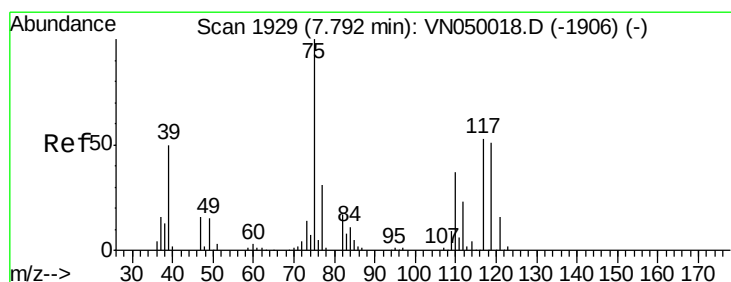
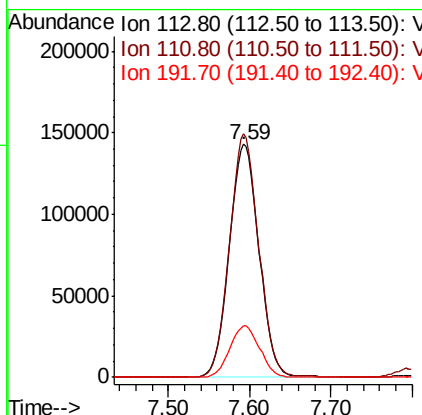
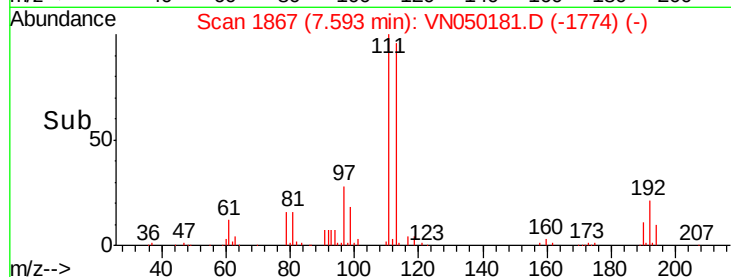
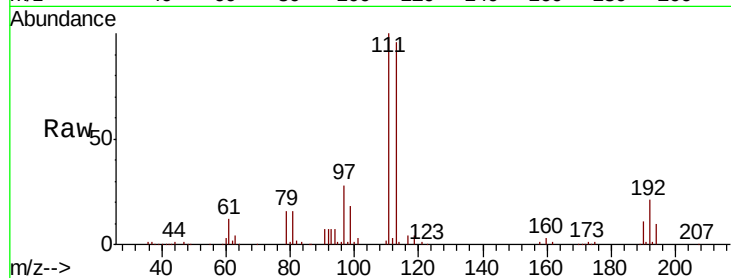
#35
 Dibromofluoromethane
 Concen: 52.05 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	80.7	121.1	
192	22.1	17.8	26.6	

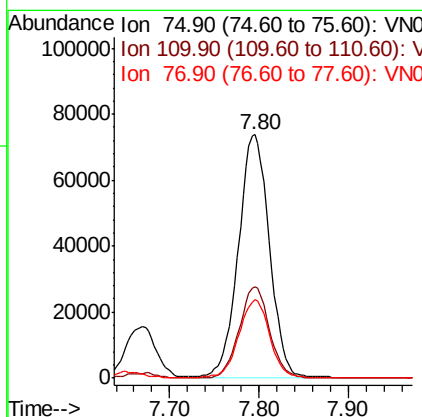
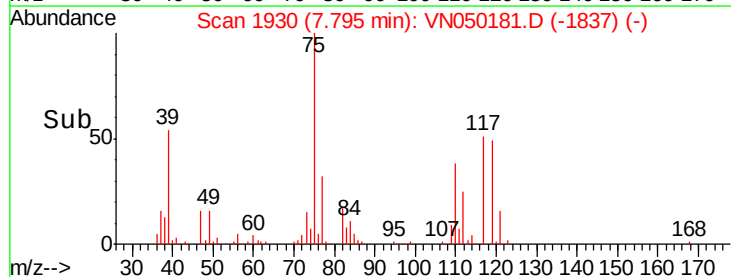
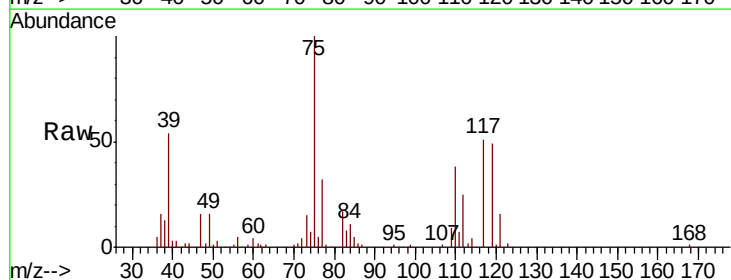
Manual Integrations
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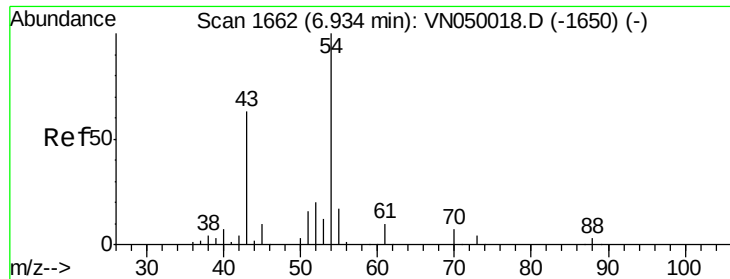
MMDadoda
 7/31/2018 3:20:22 PM



#36
 1,1-Dichloropropene
 Concen: 18.49 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.5	18.4	55.2	
77	32.3	25.3	37.9	





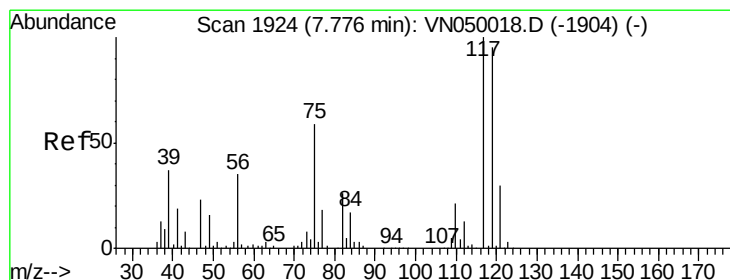
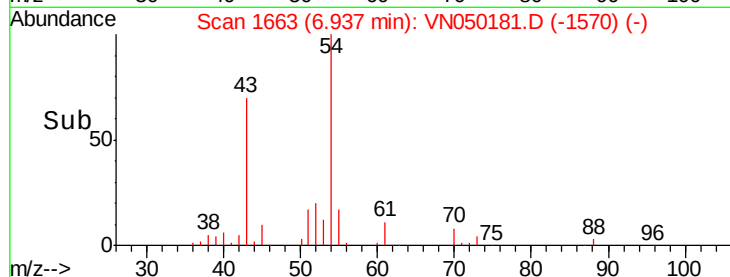
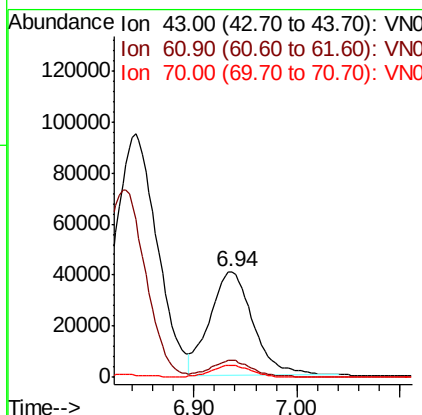
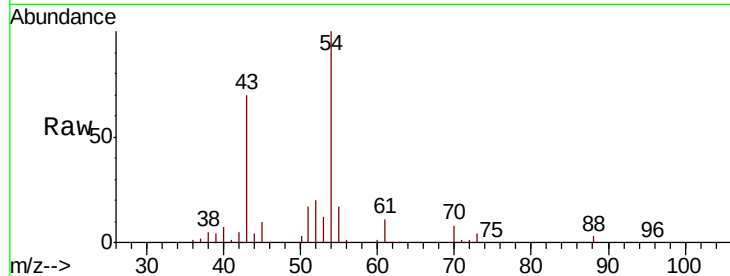
#37
Ethyl Acetate
Concen: 17.76 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion	43	61	70
Resp	119354		
Ratio	100	16.0	10.2
Lower		11.8	8.4
Upper		17.8	12.6

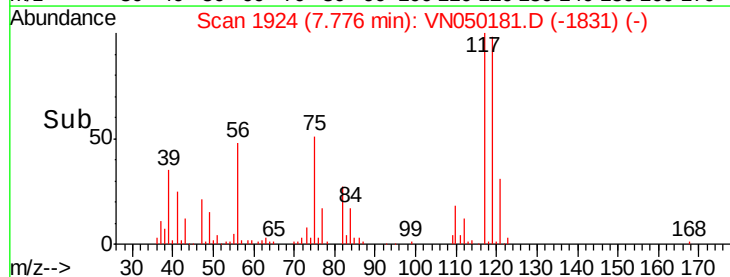
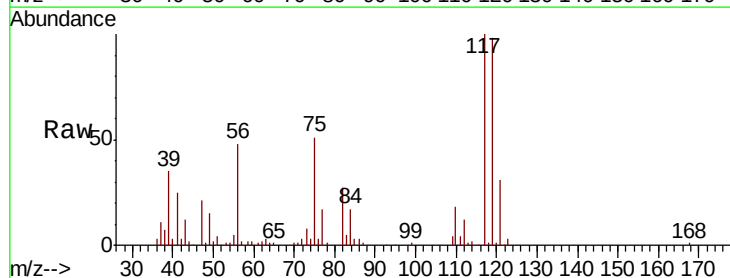
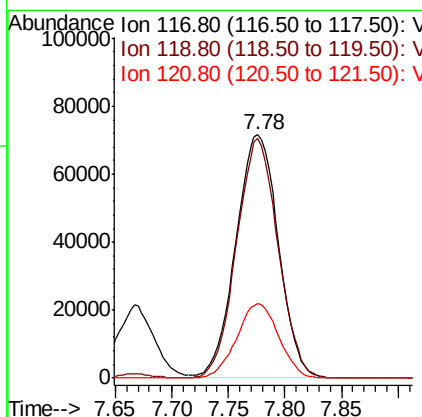
Manual Integrations
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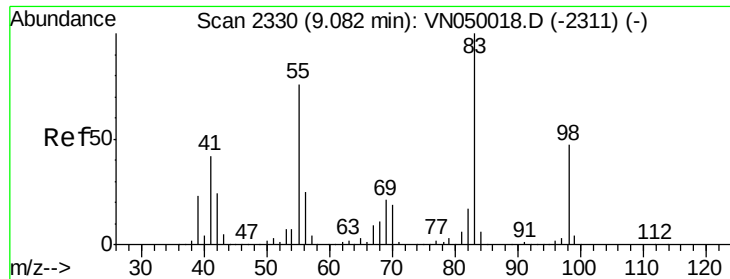
MMDadoda
7/31/2018 3:20:22 PM



#38
Carbon Tetrachloride
Concen: 18.34 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion	117	119	121
Resp	187563		
Ratio	100	98.3	30.5
Lower		77.4	23.9
Upper		116.0	35.9





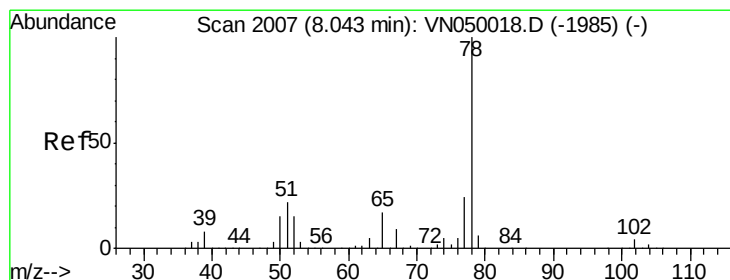
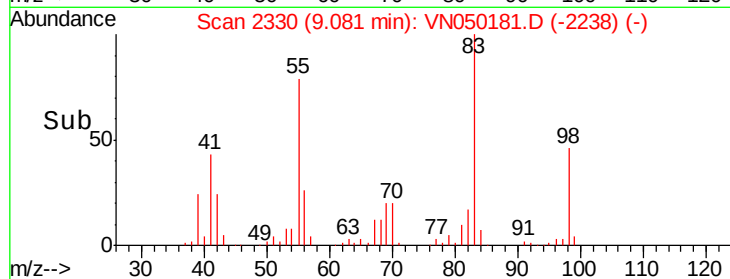
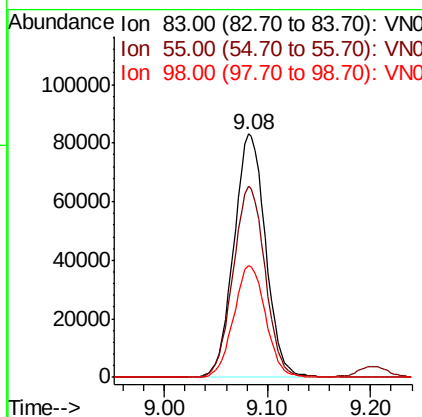
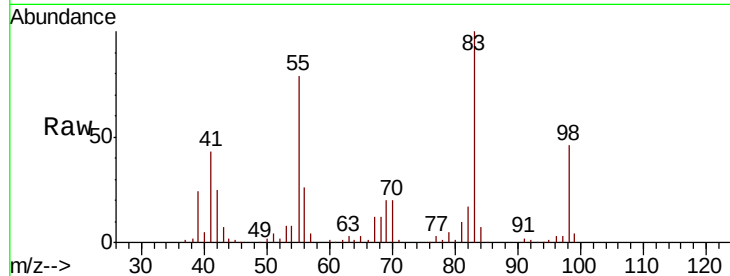
#39
Methylvlcyclohexane
Concen: 17.95 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	61.8	92.8
98	46.0	36.5	54.7

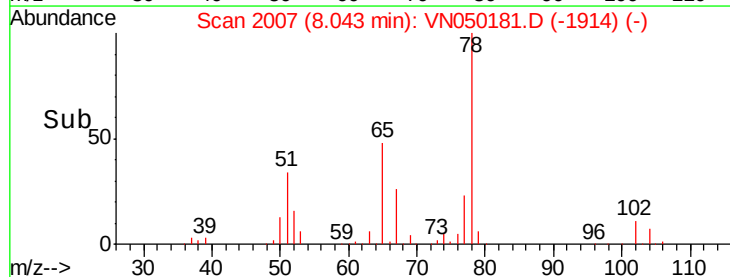
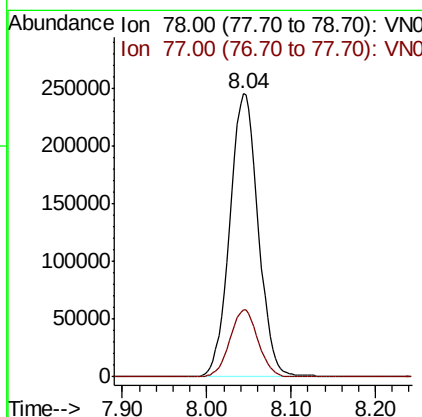
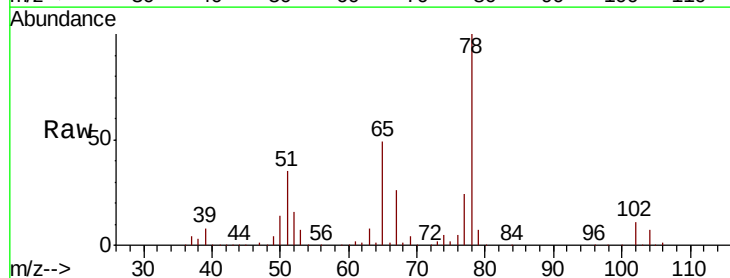
Manual Integrations
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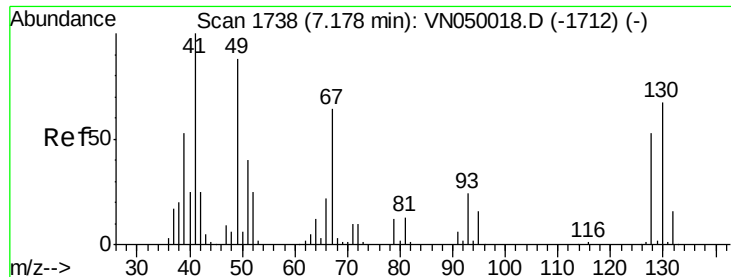
MMDadoda
7/31/2018 3:20:22 PM



#40
Benzene
Concen: 19.63 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





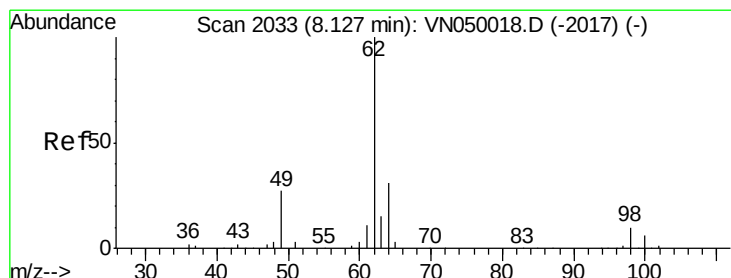
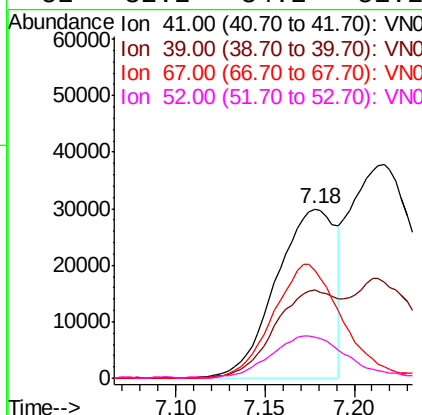
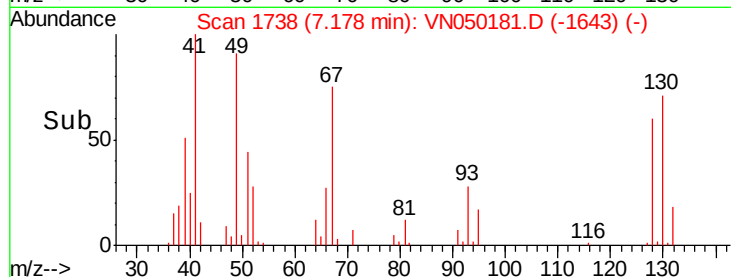
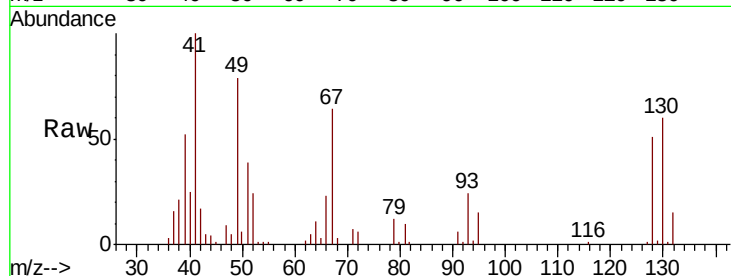
#41
Methacrylonitrile
Concen: 21.55 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.1	55.8	83.6
67	78.9	84.3	126.5#
52	32.2	34.2	51.2#

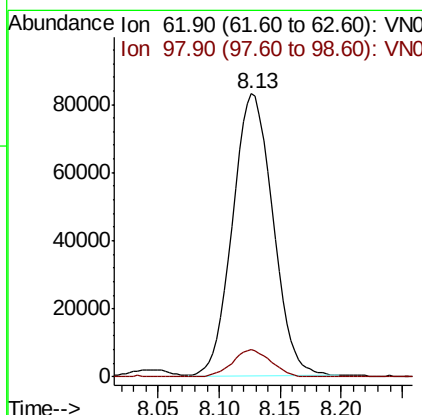
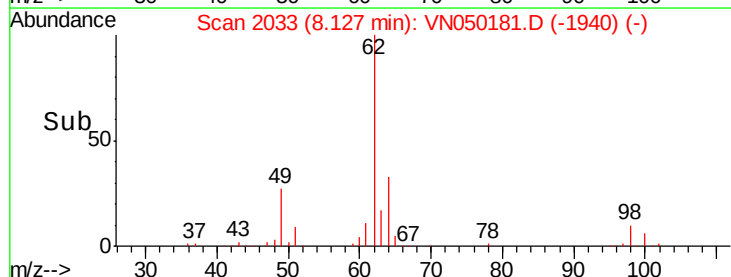
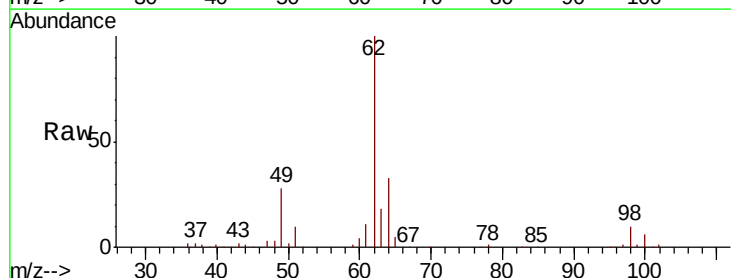
Manual Integrations
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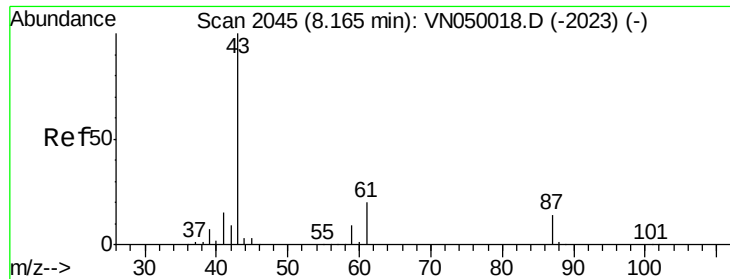
MMDadoda
7/31/2018 3:20:22 PM



#42
1,2-Dichloroethane
Concen: 19.43 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.8





#43

Isopropyl Acetate

Concen: 21.50 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

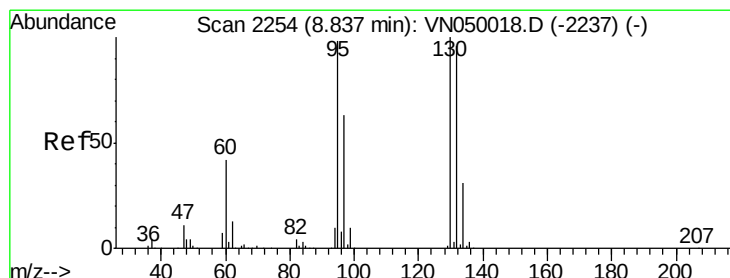
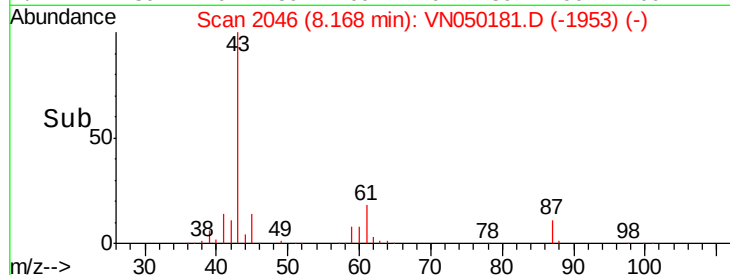
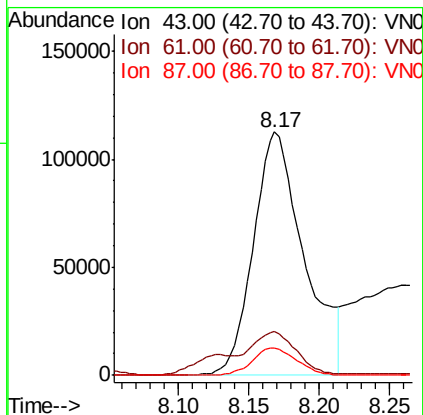
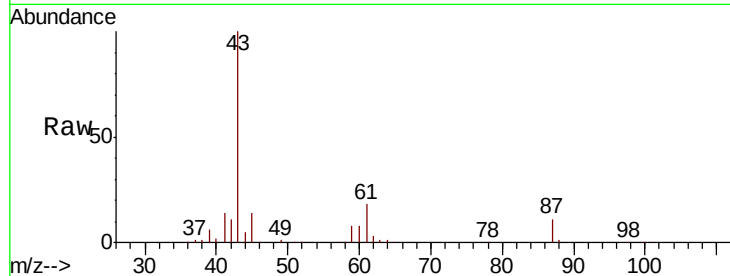
ClientSampleId :

VN0730WBSD01

Tot Ion:	43	Resp:	280518
Ion	Ratio	Lower	Upper
43	100		
61	15.0	15.8	23.6#
87	10.0	10.3	15.5#

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#44

Trichloroethene

Concen: 18.29 ug/l

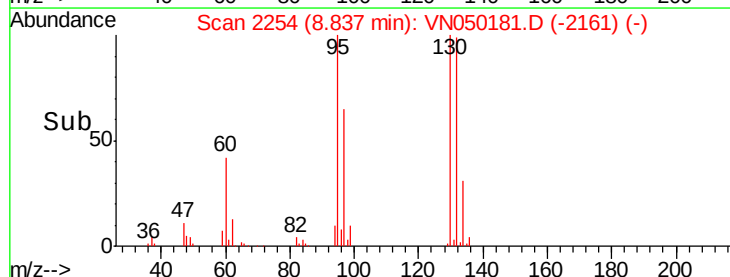
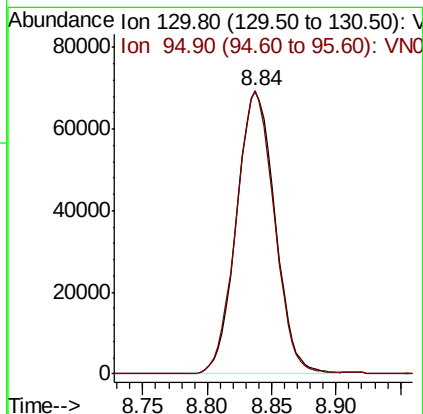
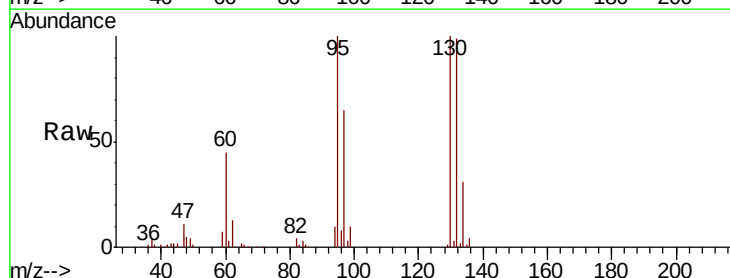
RT: 8.84 min Scan# 2254

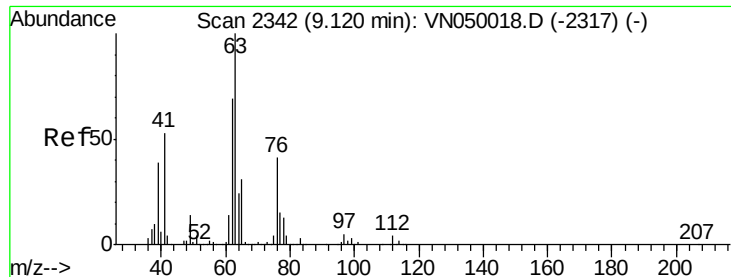
Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Tgt Ion:	130	Resp:	144149
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	194.6





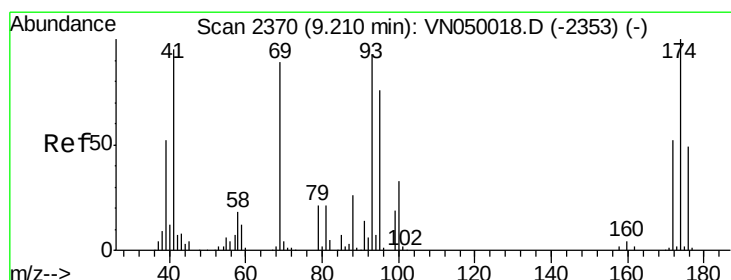
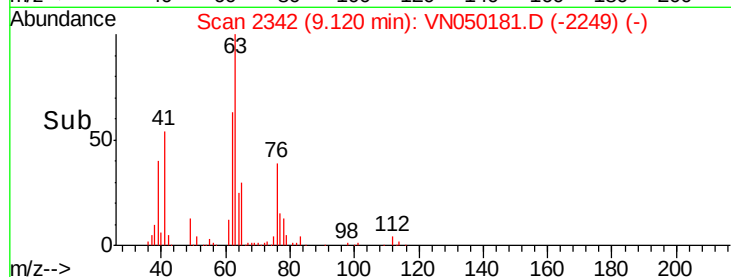
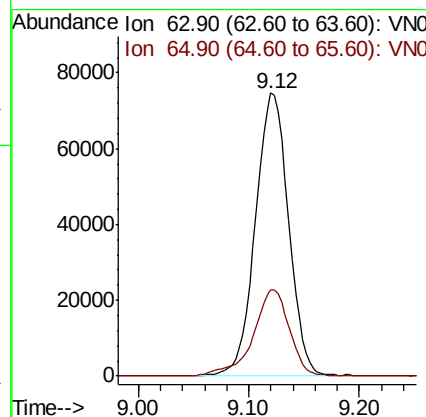
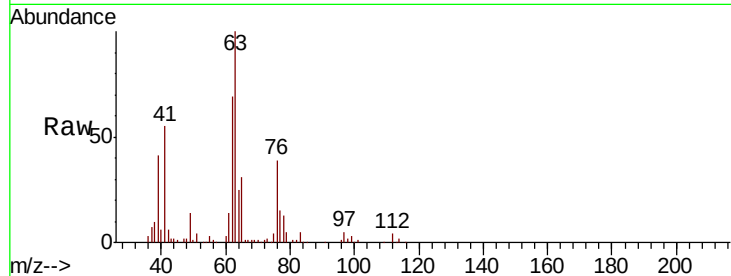
#45
 1,2-Dichloropropane
 Concen: 20.05 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.5	38.3

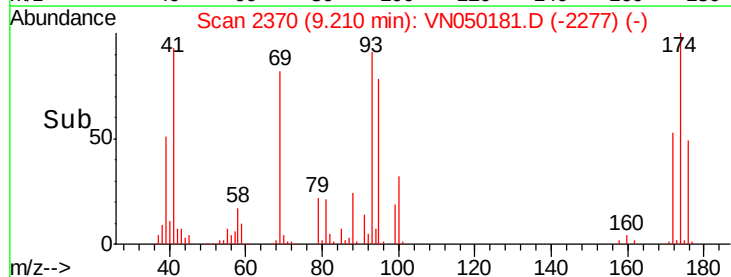
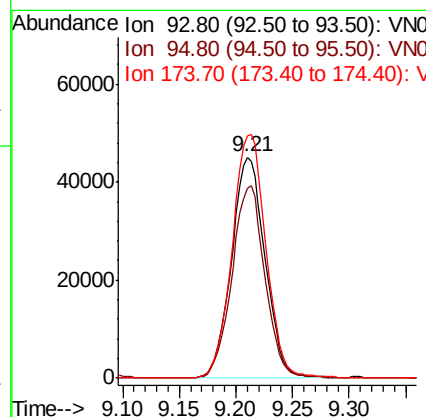
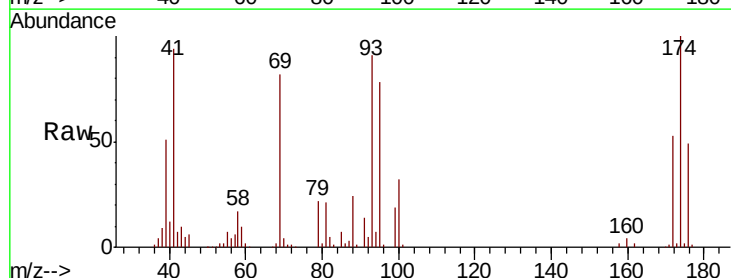
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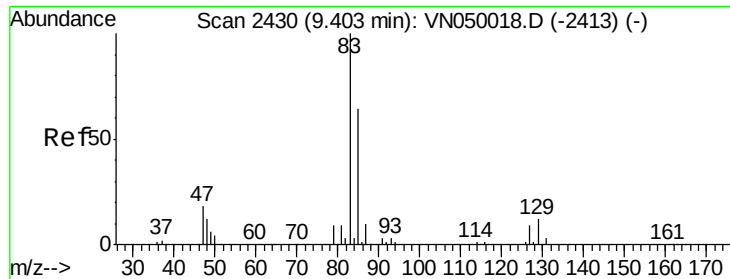
MMDadoda
 7/31/2018 3:20:22 PM



#46
 Dibromomethane
 Concen: 19.33 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.6	66.6	100.0
174	110.9	87.1	130.7





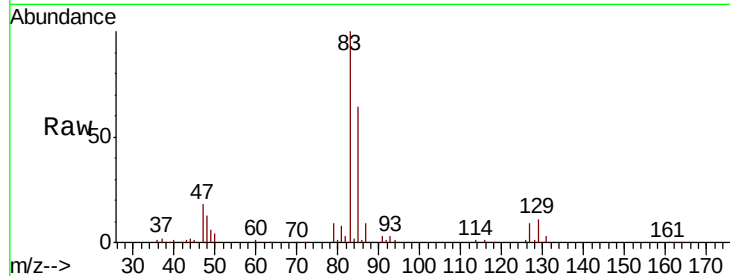
#47
Bromodichloromethane
Concen: 19.80 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

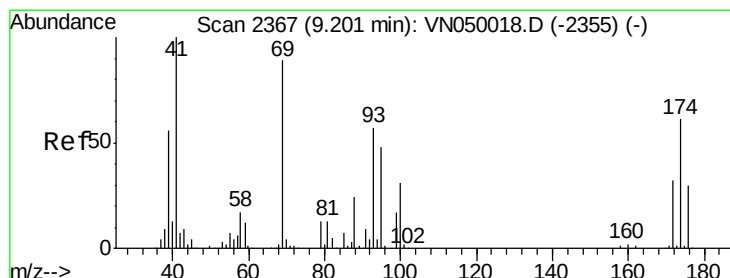
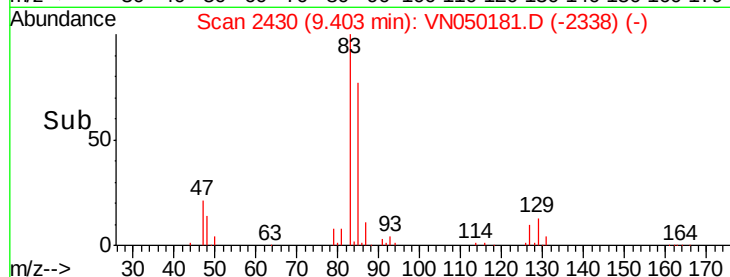
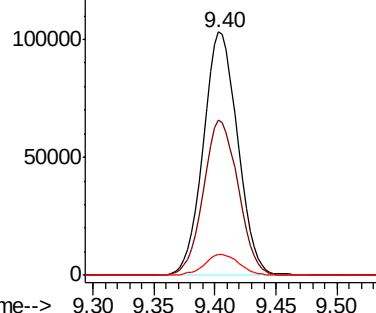
Tot Ion	83	Resp	201600
Ion Ratio	100		
83	100		
85	63.6	51.1	76.7
127	8.5	7.0	10.4

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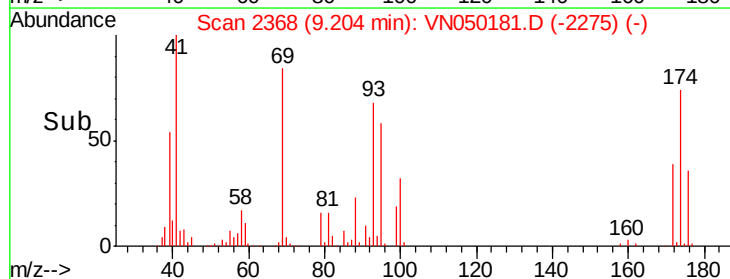
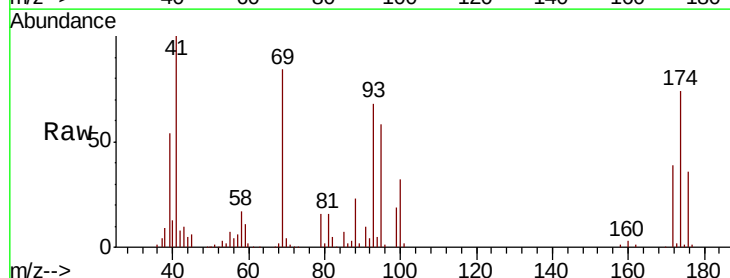
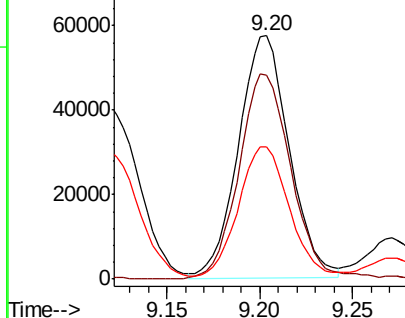
Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

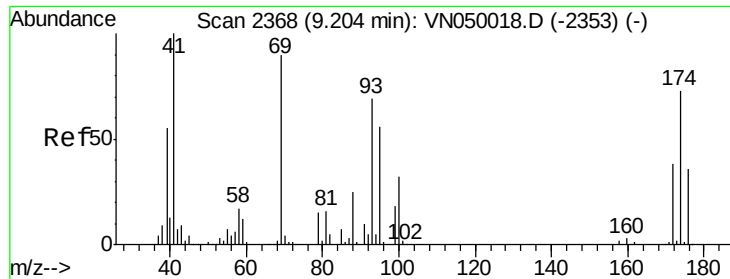


#48
Methyl methacrylate
Concen: 18.91 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion	41	Resp	109456
Ion Ratio	100		
41	100		
69	87.0	70.6	105.8
39	55.1	43.9	65.9

Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





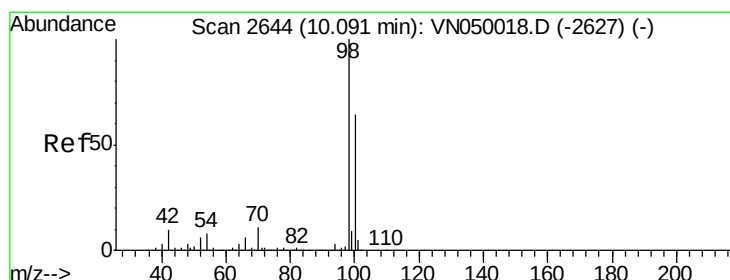
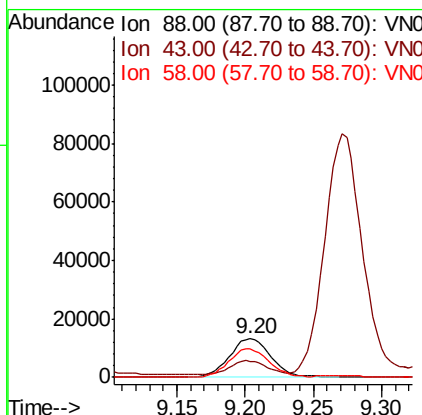
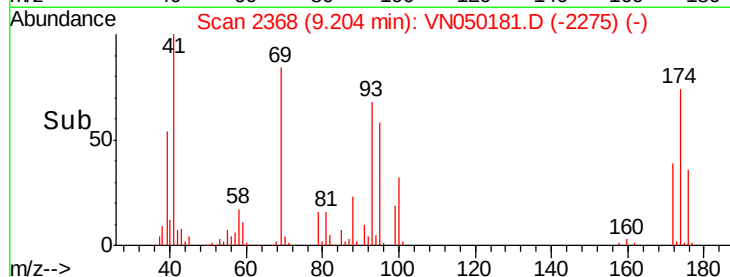
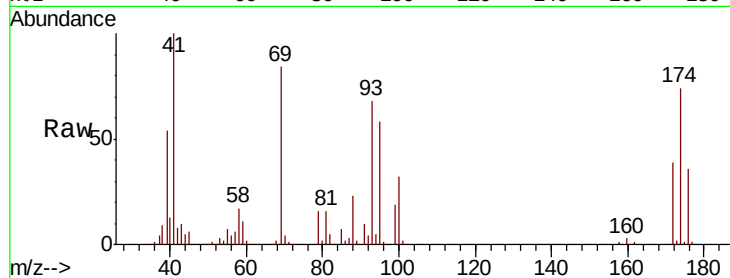
#49
1,4-Dioxane
Concen: 357.63 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.9	40.3
58	71.5	57.3	85.9

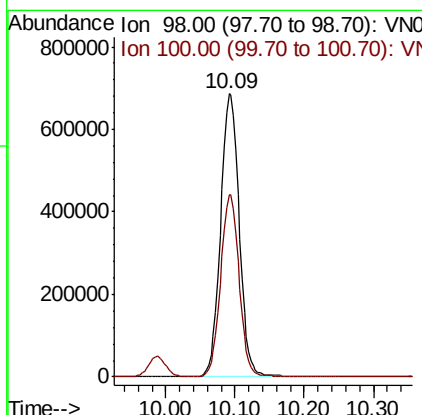
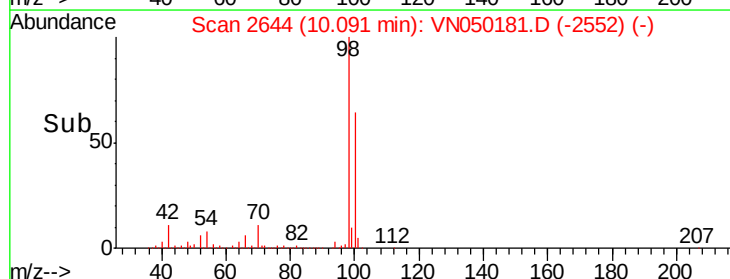
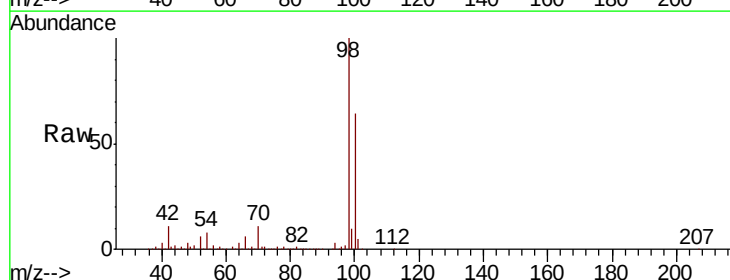
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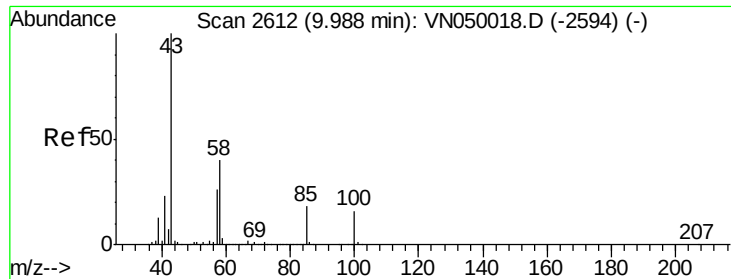
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#50
Toluene-d8
Concen: 49.98 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.7	76.1





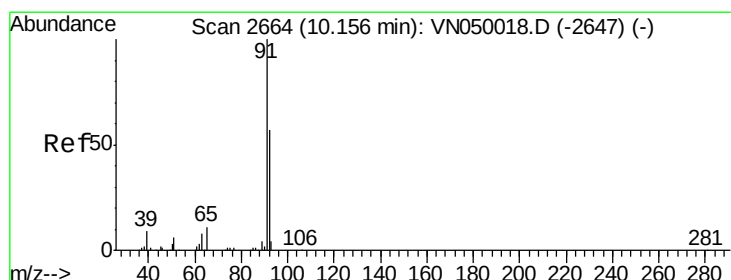
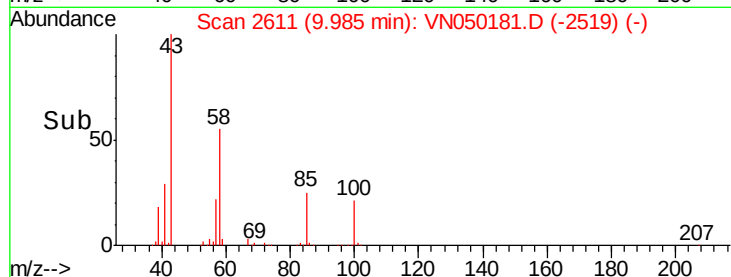
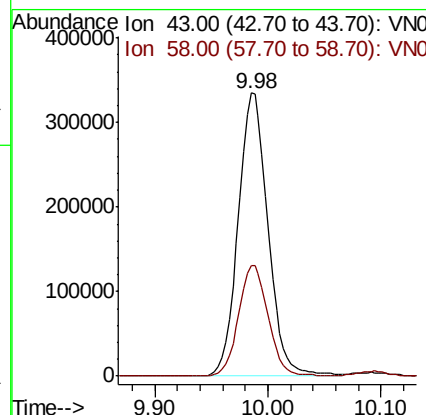
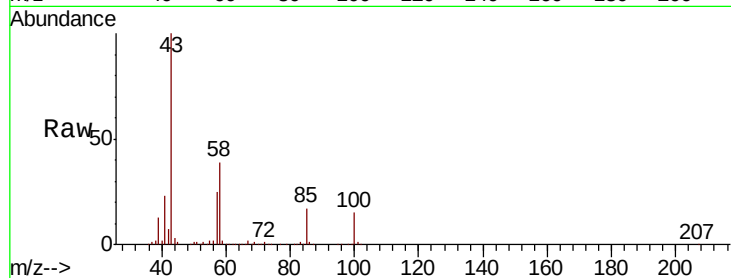
#51
4-Methyl-2-Pentanone
Concen: 92.49 ug/l
RT: 9.98 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.9	47.9

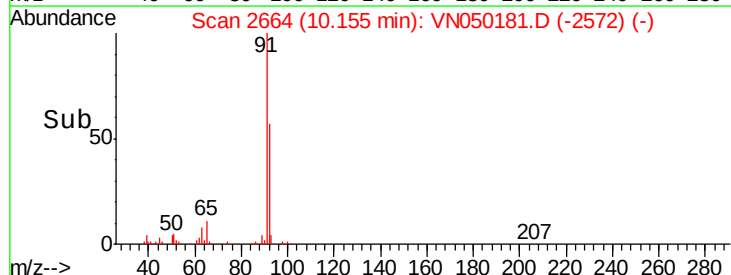
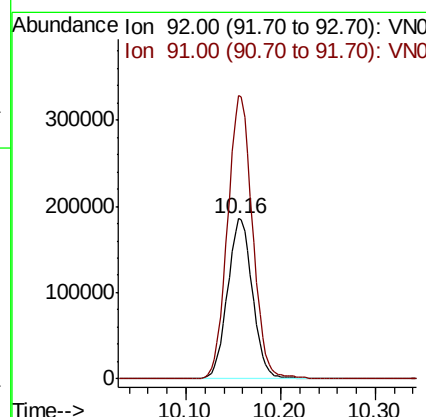
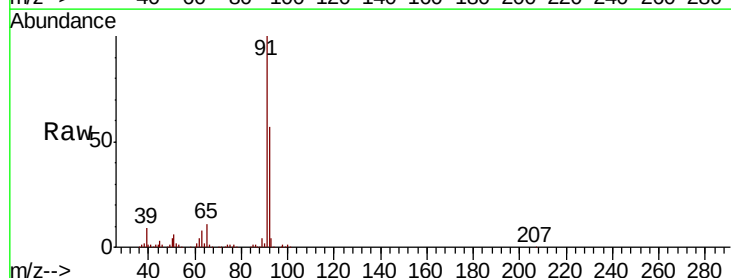
Manual Integrations
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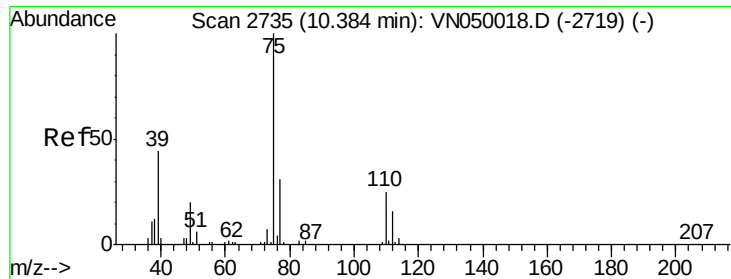
MMDadoda
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#52
Toluene
Concen: 19.73 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.0	140.3	210.5





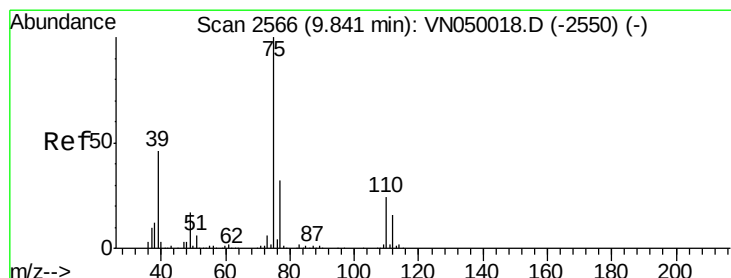
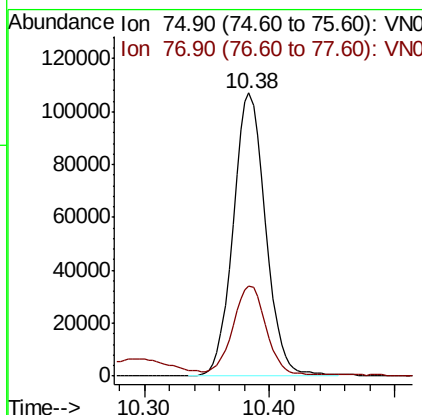
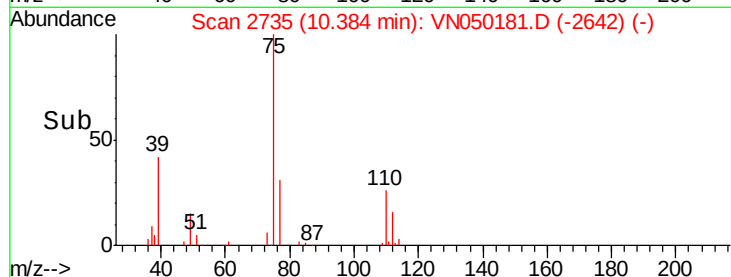
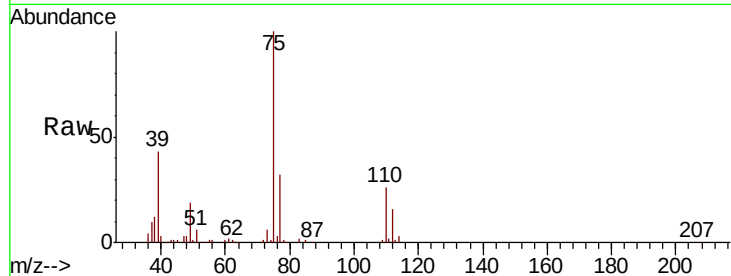
#53
t-1,3-Dichloropropene
Concen: 20.02 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3

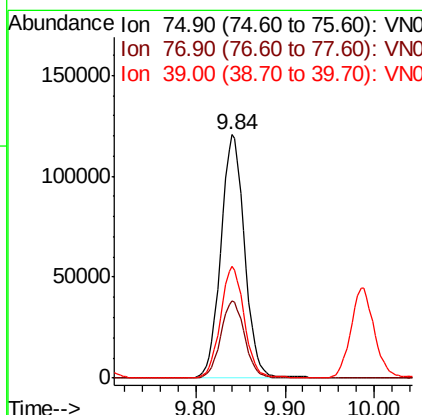
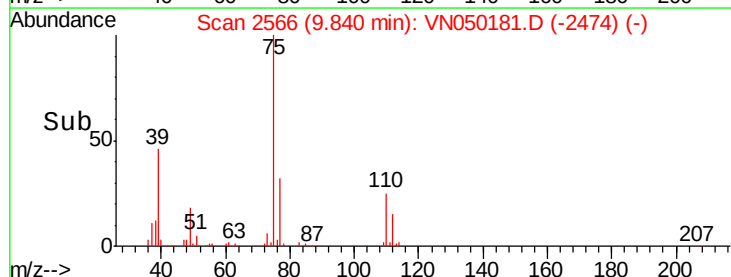
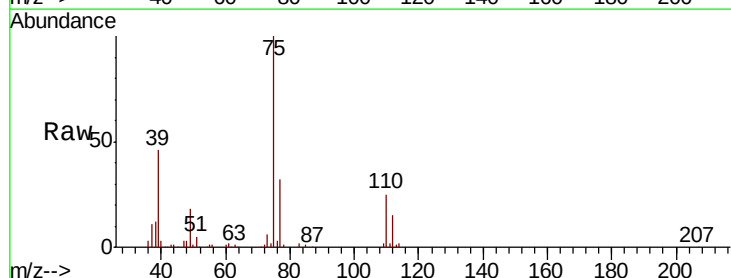
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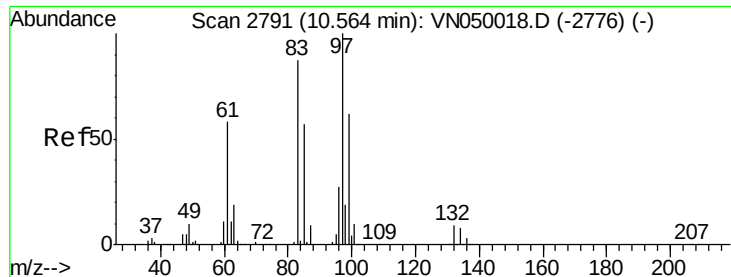
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#54
cis-1,3-Dichloropropene
Concen: 20.21 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3
39	45.7	36.6	55.0





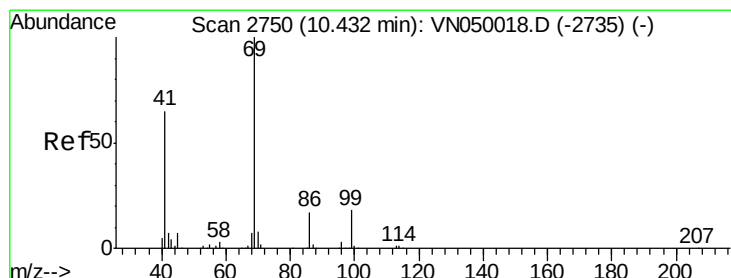
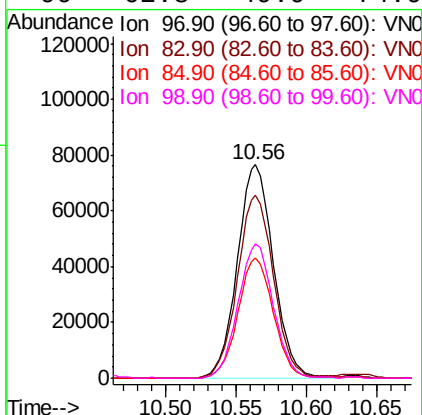
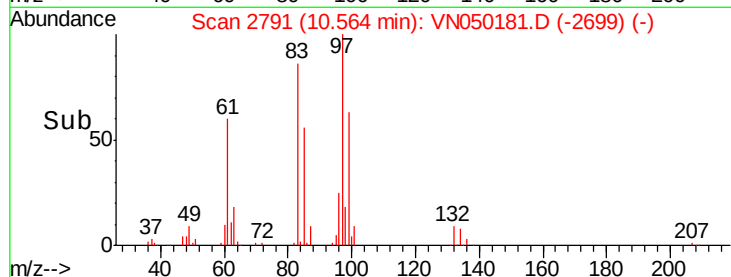
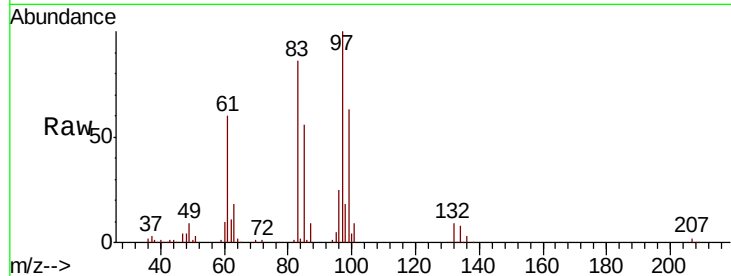
#55
 1,1,2-Trichloroethane
 Concen: 20.02 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.2	103.8
85	56.1	44.0	66.0
99	62.8	49.9	74.9

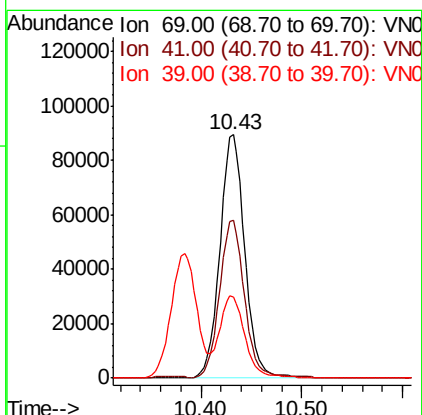
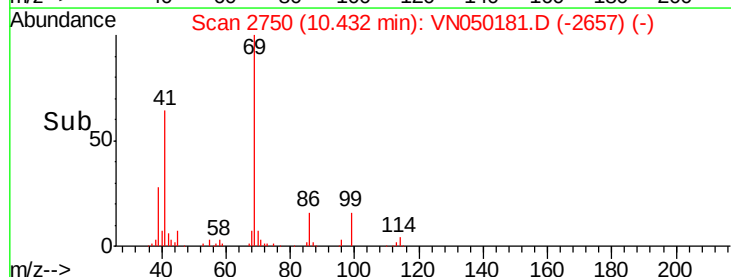
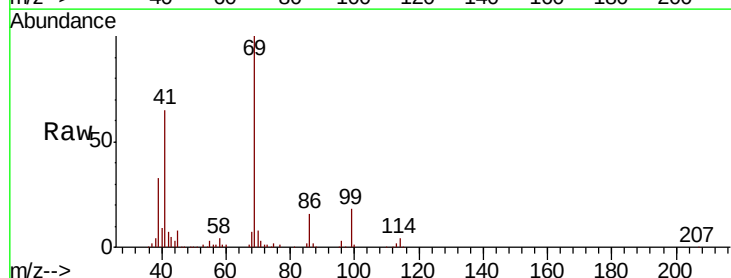
Manual Integrations
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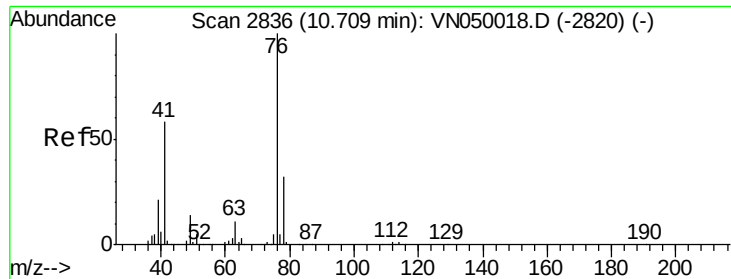
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#56
 Ethyl methacrylate
 Concen: 17.95 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.2	51.0	76.4
39	33.8	26.6	40.0





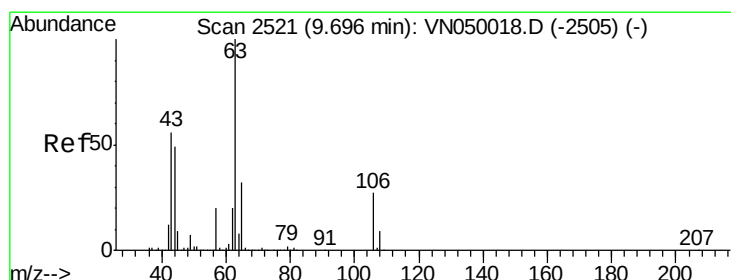
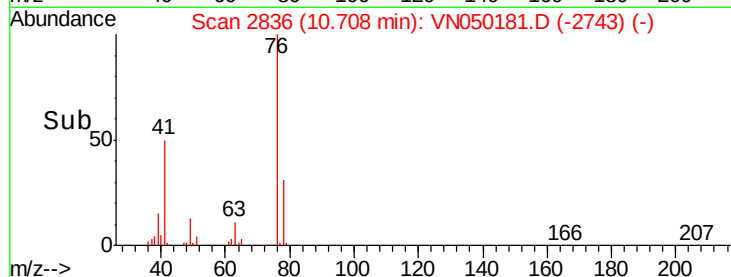
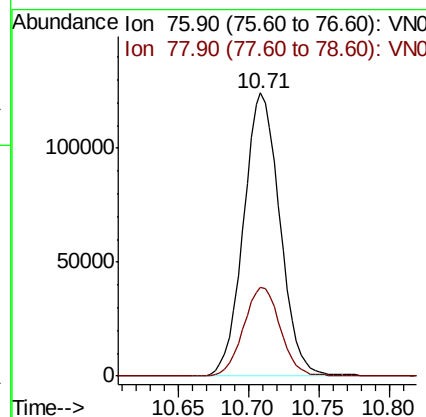
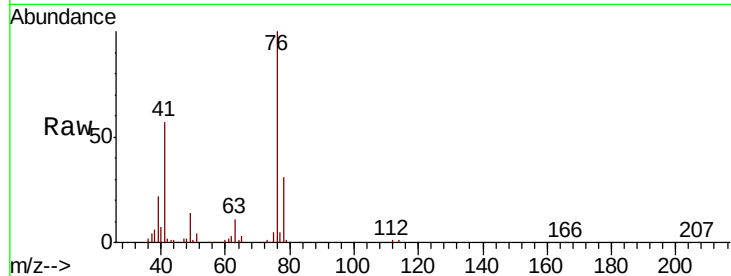
#57
 1,3-Dichloropropane
 Concen: 20.04 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Tot Ion: 76 Resp: 224147
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

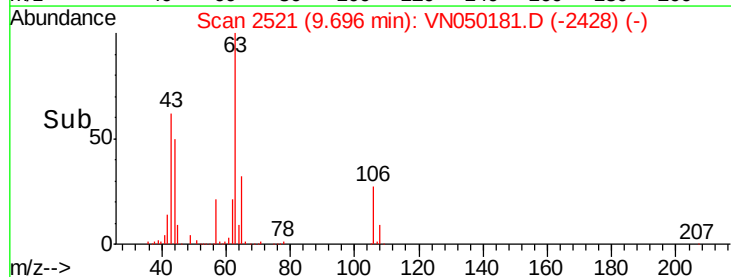
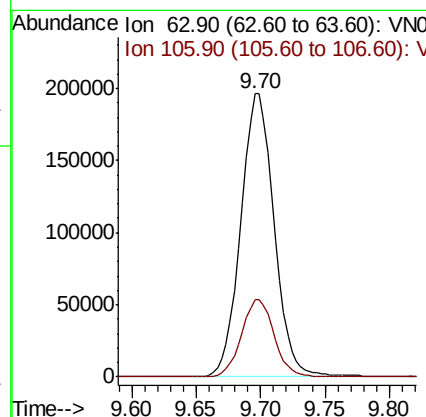
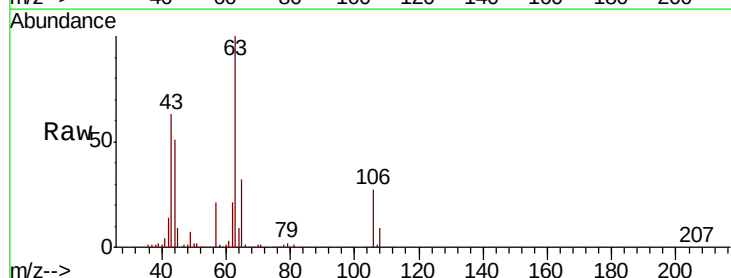
Manual Integrations
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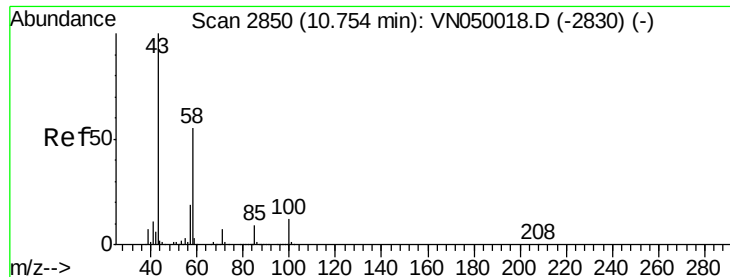
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 7/31/2018 3:20:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.23 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion: 63 Resp: 354227
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.7 32.5





#59

2-Hexanone

Concen: 83.67 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

Tot Ion: 43 Resp: 389195

Ion Ratio Lower Upper

43 100

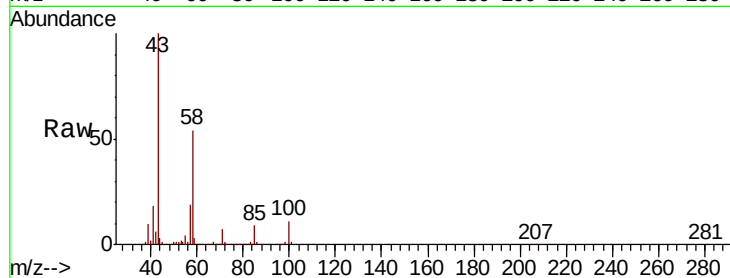
58 54.3 27.6 82.7

Manual Integrations

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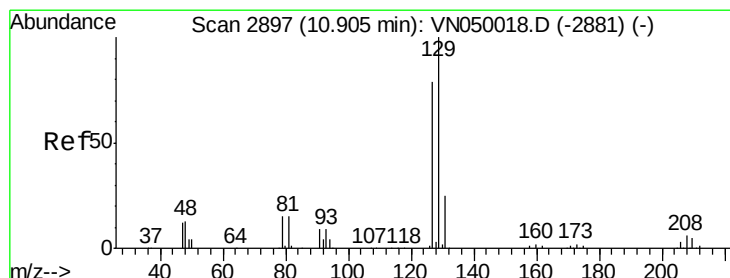
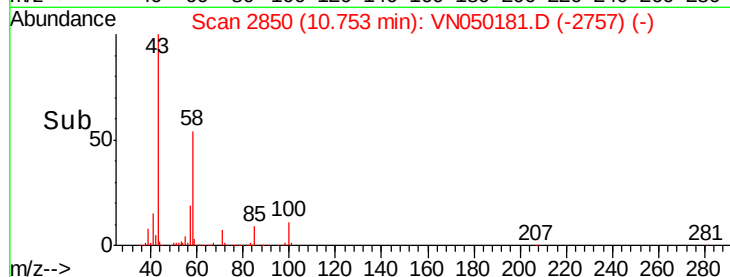
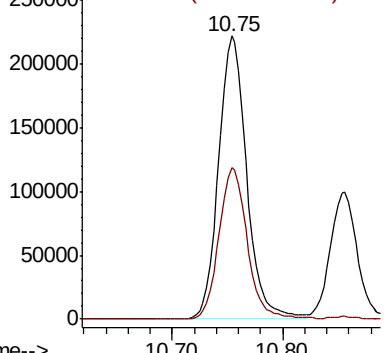
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#60

Dibromochloromethane

Concen: 19.59 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN050181.D

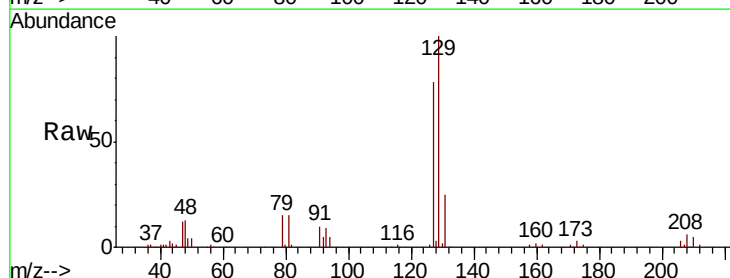
Acq: 30 Jul 2018 12:40

Tgt Ion: 129 Resp: 149007

Ion Ratio Lower Upper

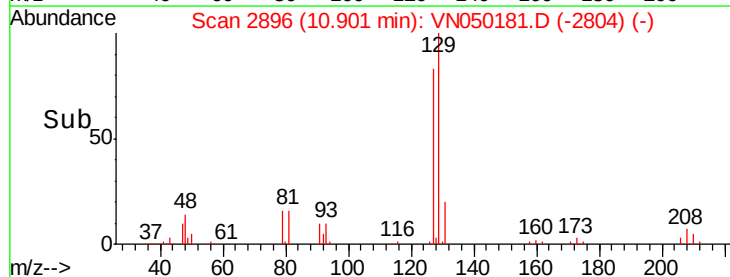
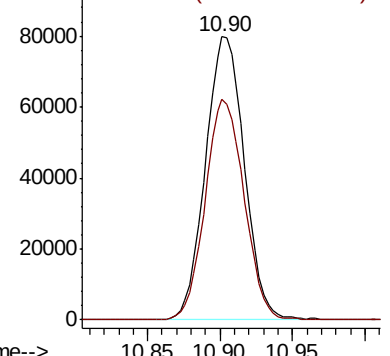
129 100

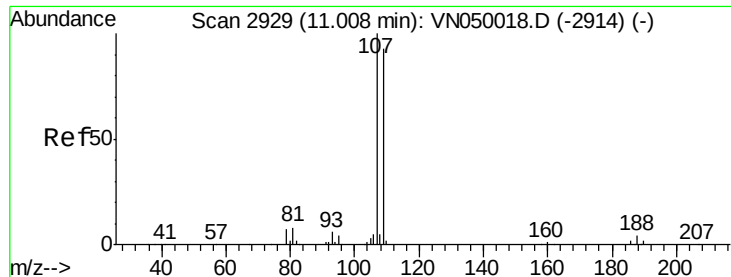
127 77.8 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





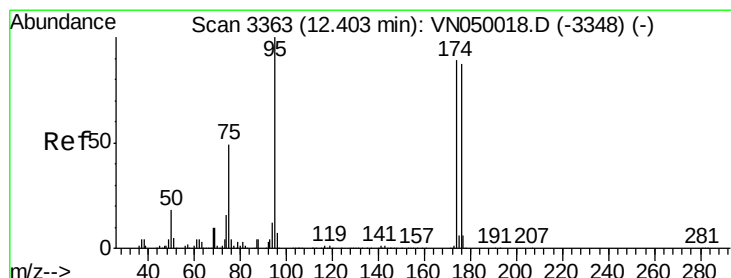
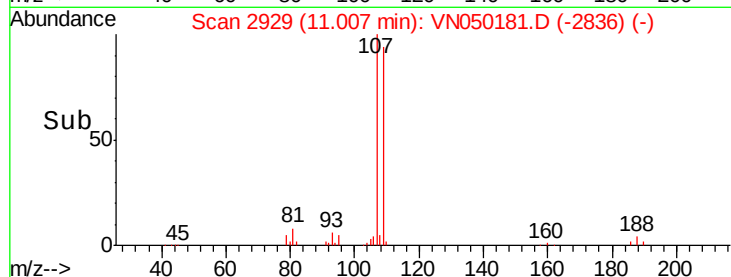
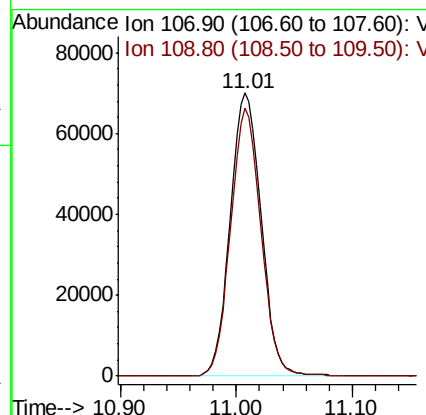
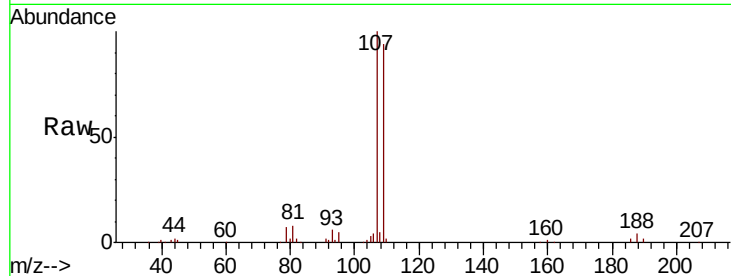
#61
 1,2-Dibromoethane
 Concen: 18.92 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.6	112.0

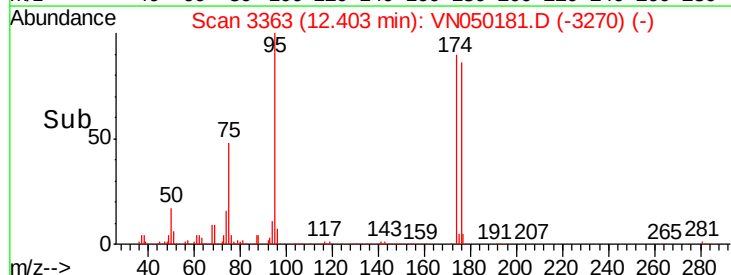
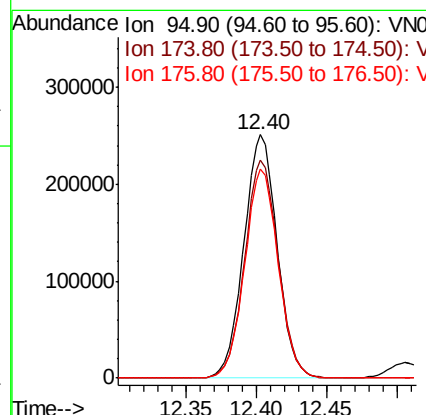
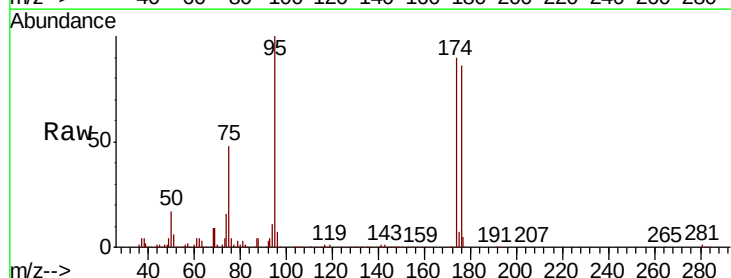
Manual Integrations
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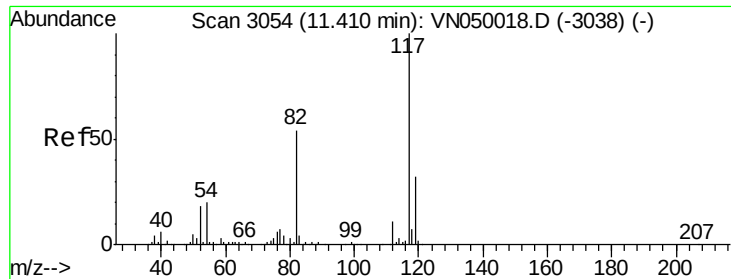
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#62
 4-Bromofluorobenzene
 Concen: 49.16 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	178.2
176	86.5	0.0	173.4





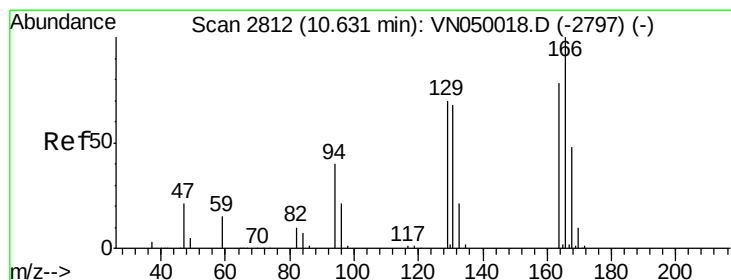
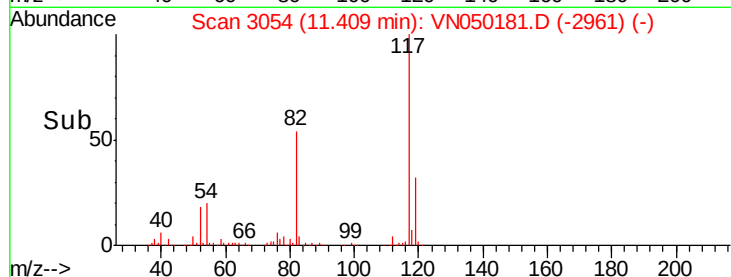
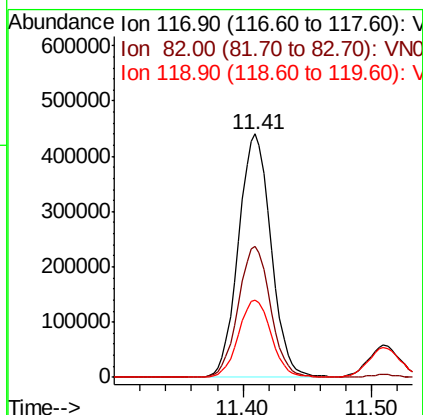
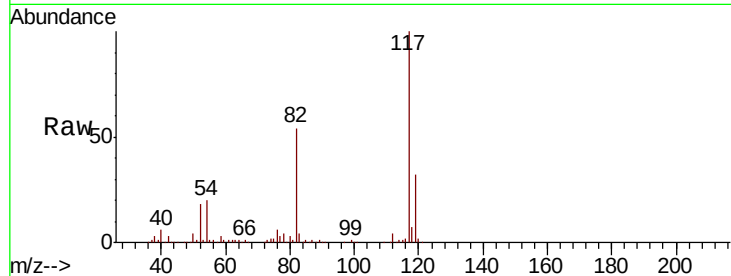
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.7	65.5
119	31.9	26.1	39.1

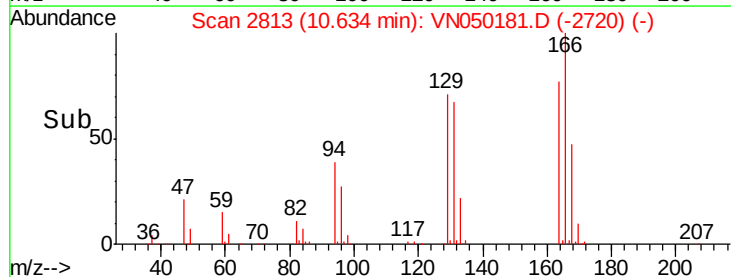
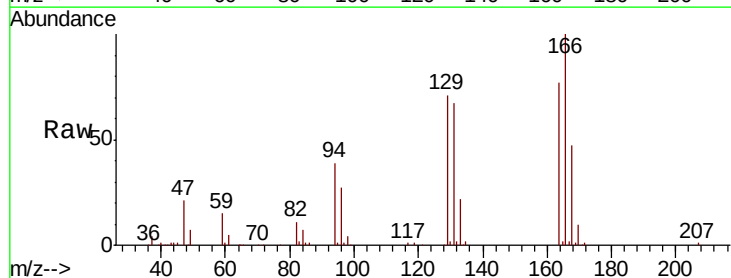
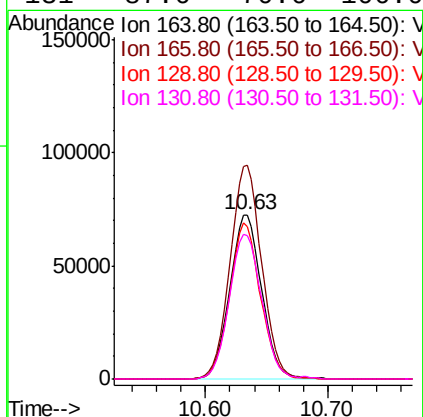
Manual Integrations
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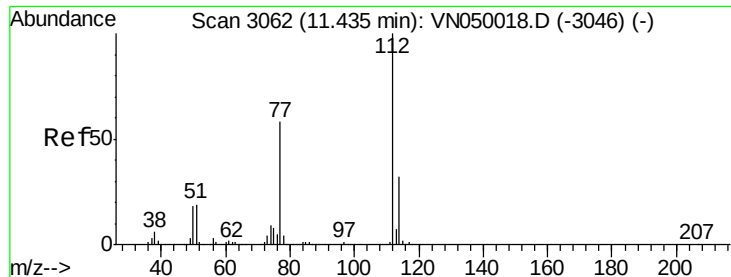
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#64
Tetrachloroethene
Concen: 17.75 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	102.1	153.1
129	92.7	73.2	109.8
131	87.6	70.6	106.0





#65

Chlorobenzene

Concen: 18.90 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

Tot Ion:112 Resp: 369232

Ion Ratio Lower Upper

112 100

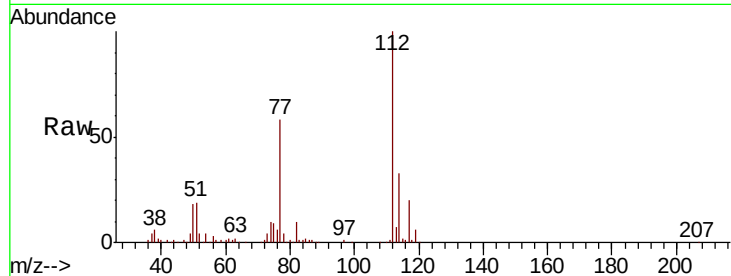
114 32.9 25.6 38.4

Manual Integrations

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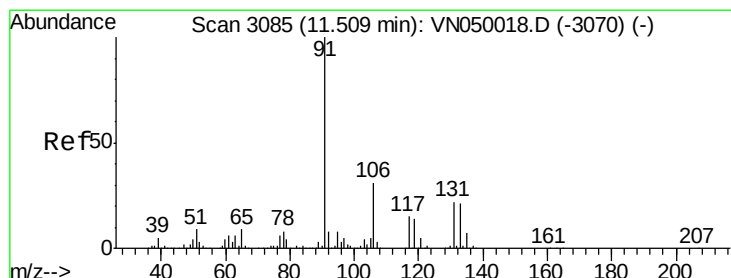
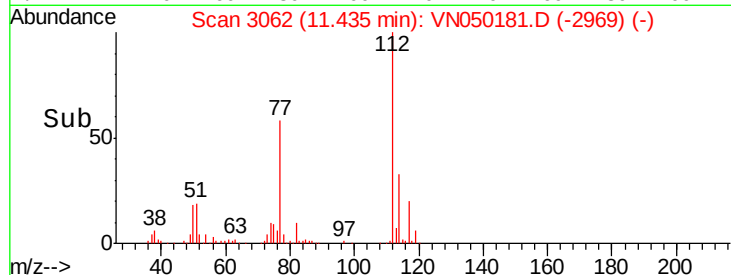
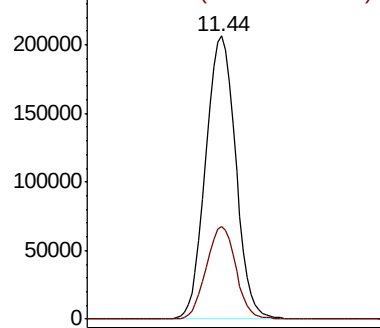
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.49 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

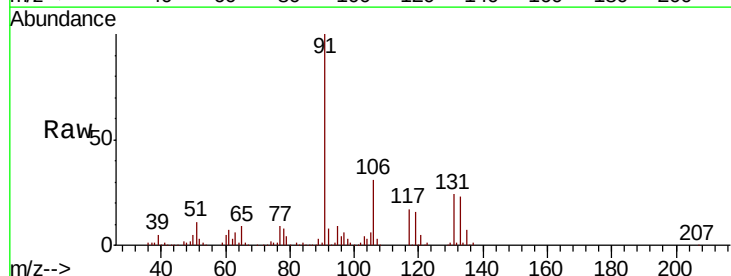
Tgt Ion:131 Resp: 146308

Ion Ratio Lower Upper

131 100

133 94.8 47.3 141.9

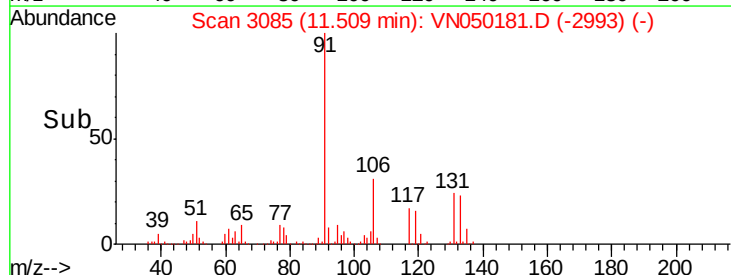
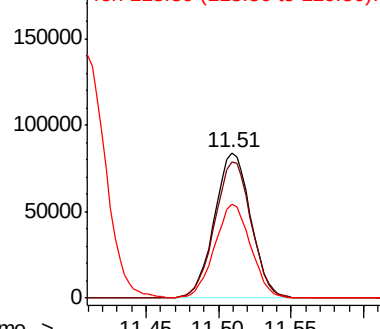
119 64.4 32.9 98.7

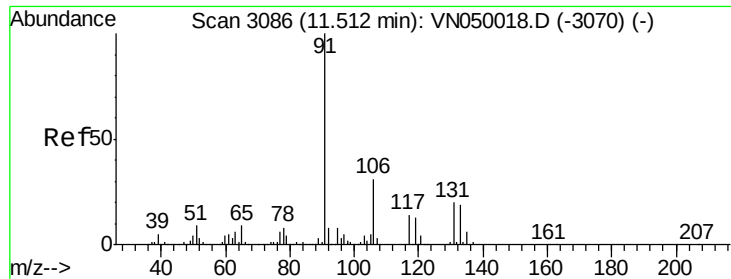


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.16 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampled :

VN0730WBSD01

Tot Ion: 91 Resp: 601435

Ion Ratio Lower Upper

91 100

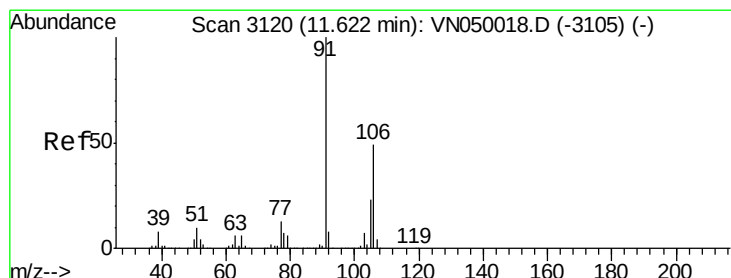
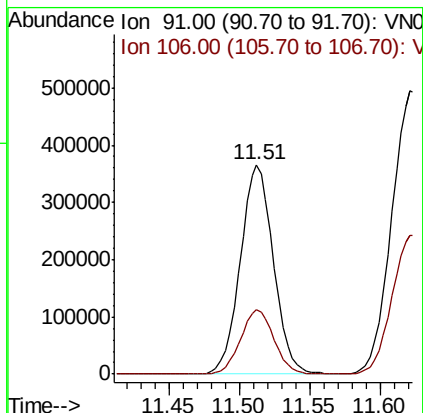
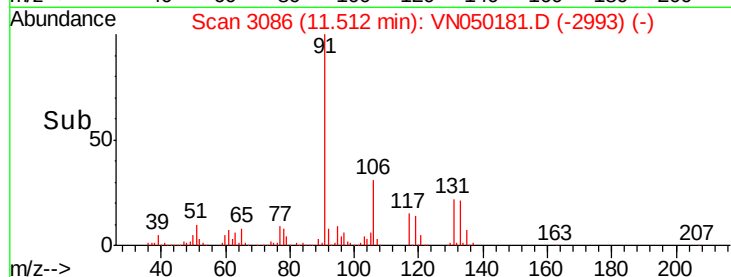
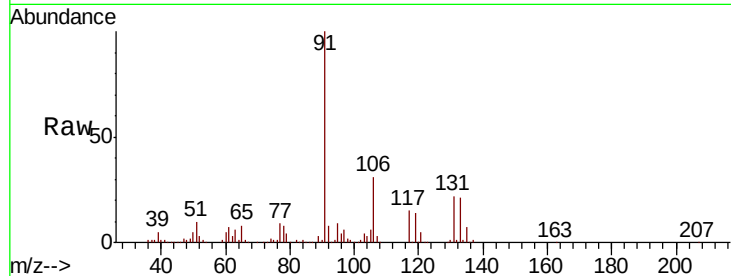
106 30.6 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.36 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050181.D

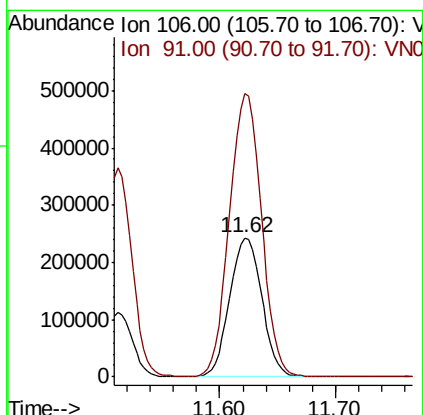
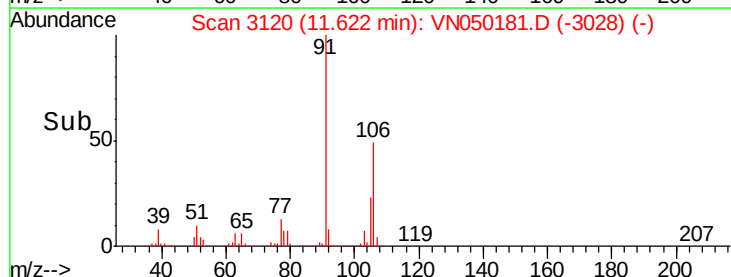
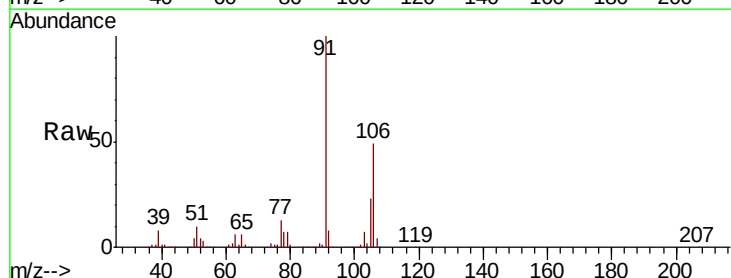
Acq: 30 Jul 2018 12:40

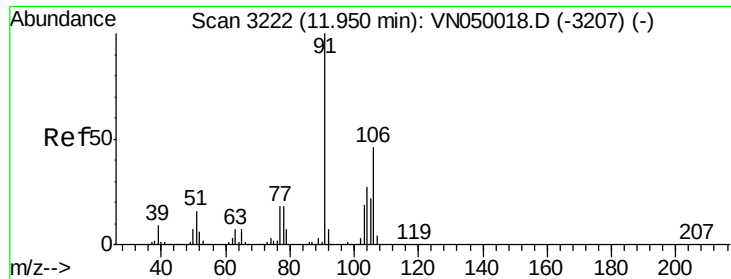
Tgt Ion: 106 Resp: 467246

Ion Ratio Lower Upper

106 100

91 203.2 162.2 243.2





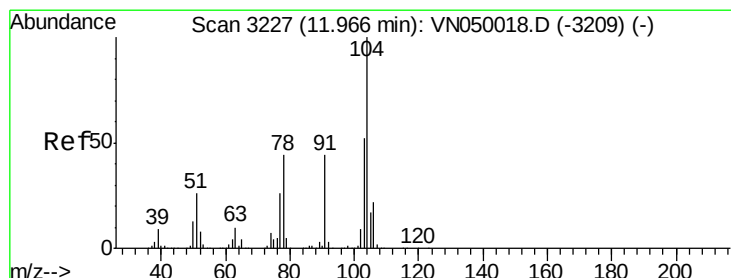
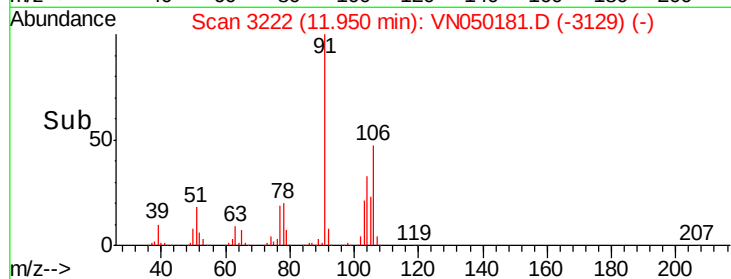
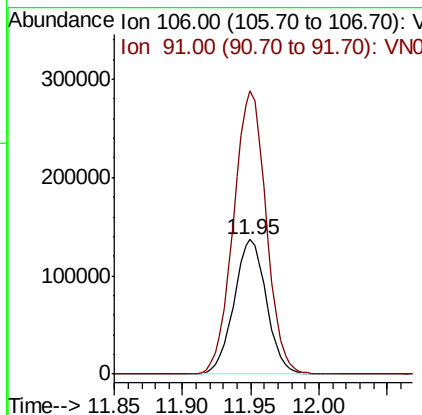
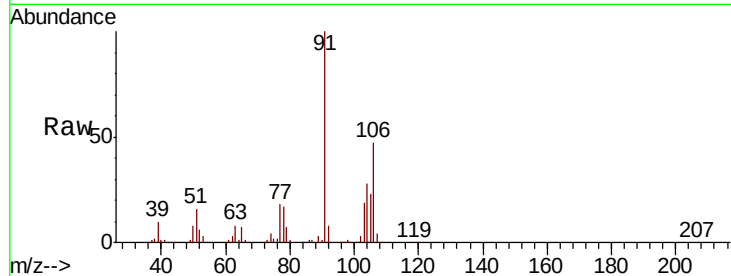
#69
o-Xylene
Concen: 19.99 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.3	107.7	323.1

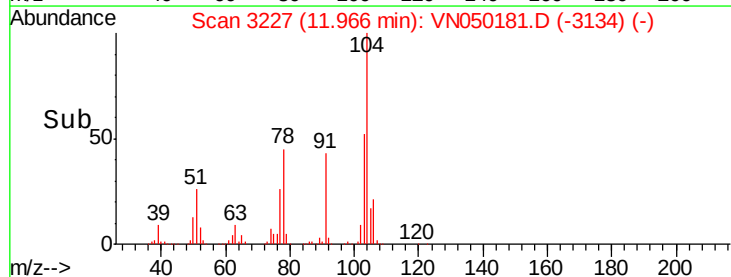
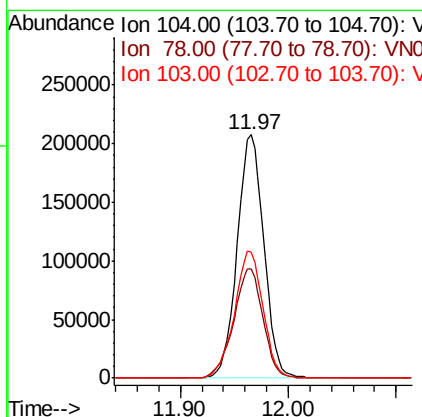
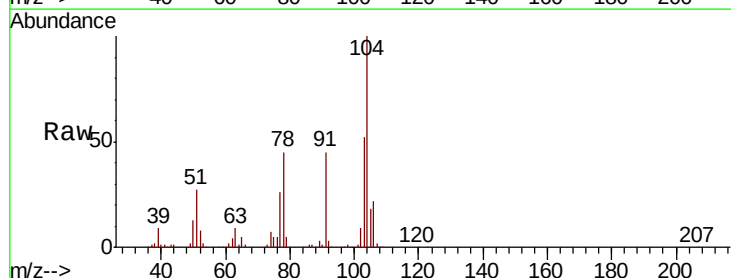
Manual Integrations
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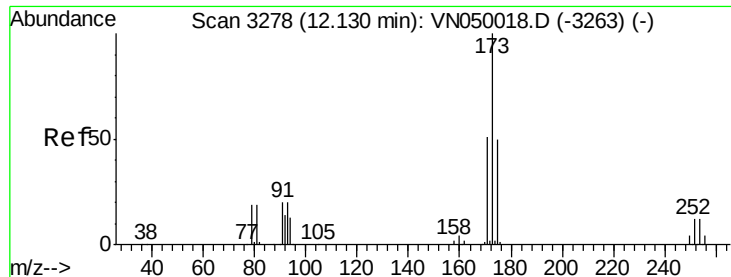
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#70
Styrene
Concen: 18.41 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.3	58.9
103	56.0	45.0	67.6





#71

Bromoform

Concen: 18.10 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

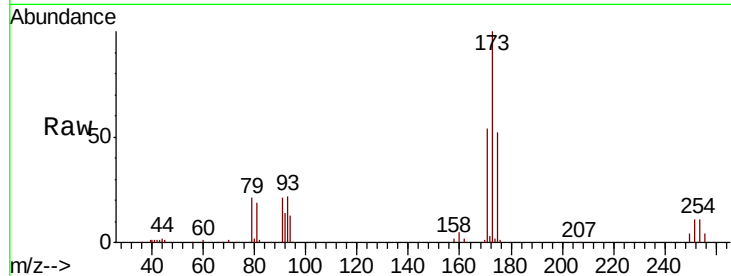
ClientSampleId :

VN0730WBSD01

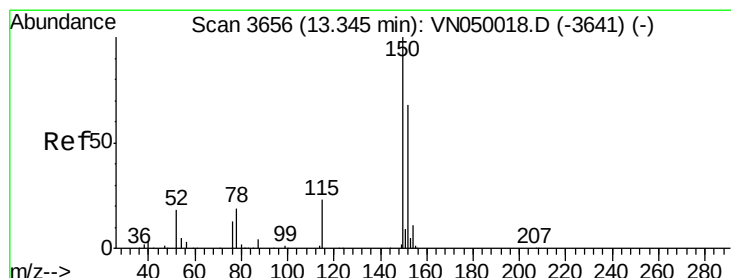
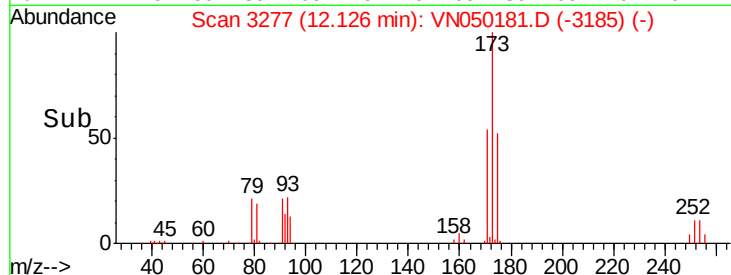
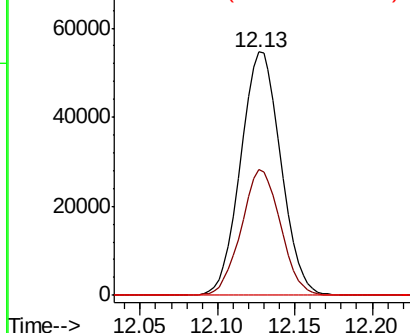
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.1	72.2
254	0.0	0.2	0.2

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

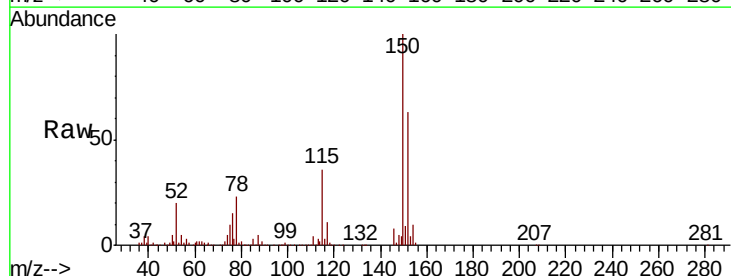
RT: 13.34 min Scan# 3656

Delta R.T. -0.00 min

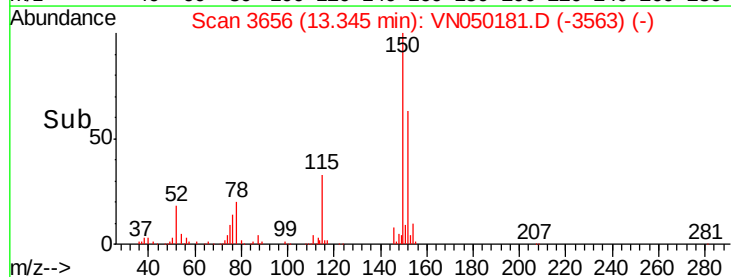
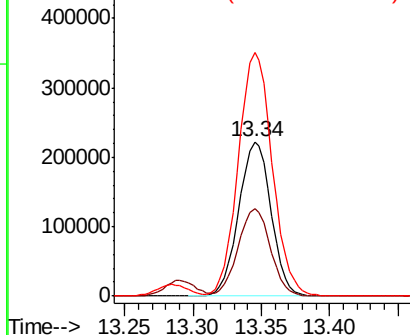
Lab File: VN050181.D

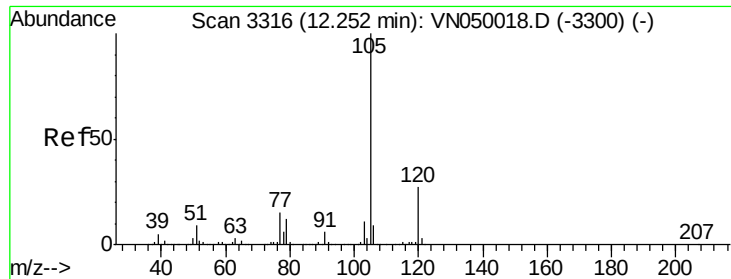
Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	27.8	83.3
150	165.8	0.0	348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.50 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

Tot Ion:105 Resp: 582936

Ion Ratio Lower Upper

105 100

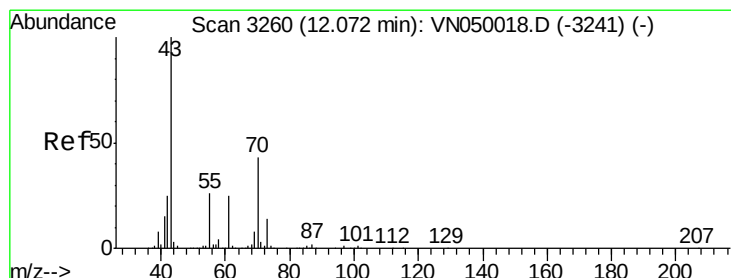
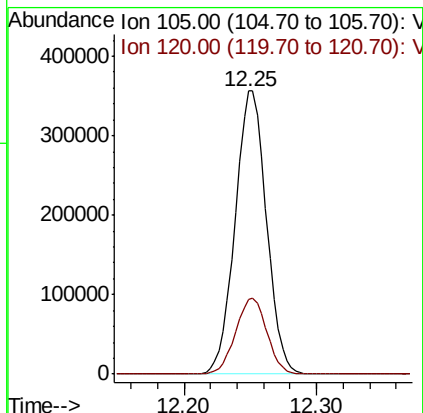
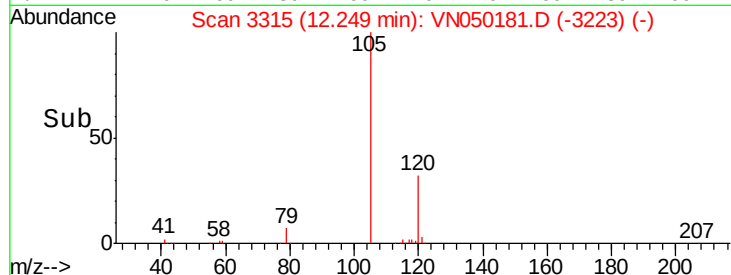
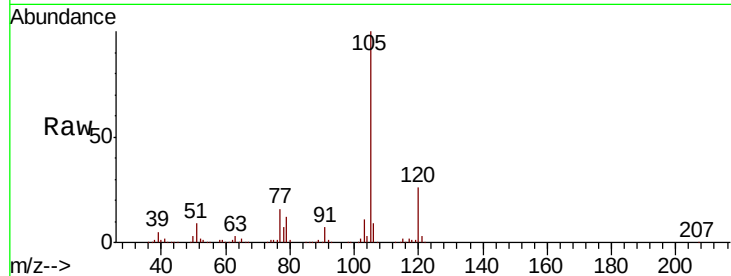
120 26.8 13.3 39.8

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#74

N-ethyl acetate

Concen: 17.99 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Tgt Ion: 43 Resp: 156340

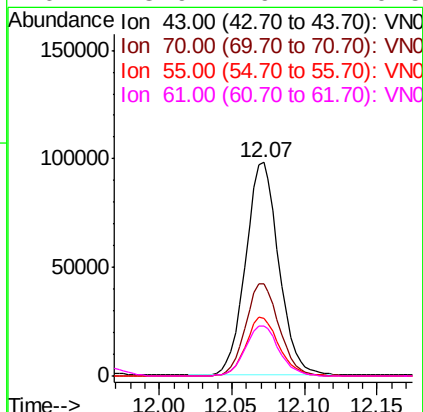
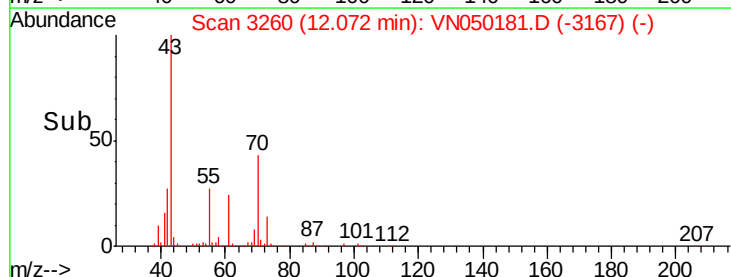
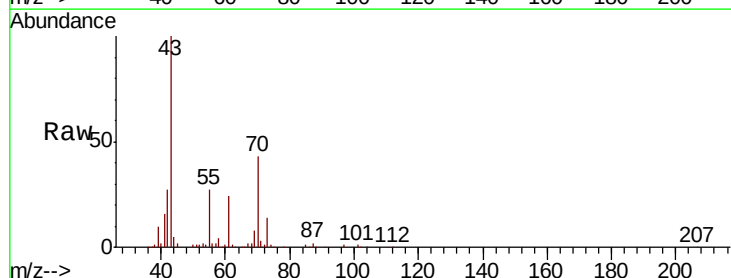
Ion Ratio Lower Upper

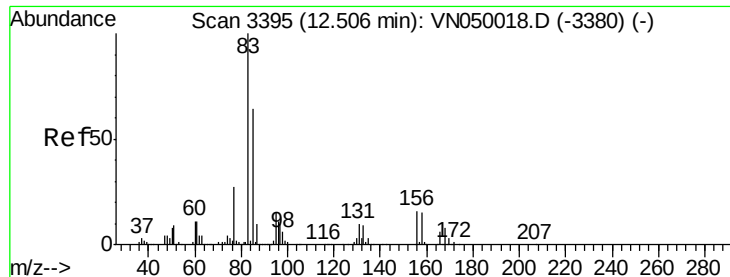
43 100

70 43.9 34.4 51.6

55 27.4 20.8 31.2

61 23.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.89 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

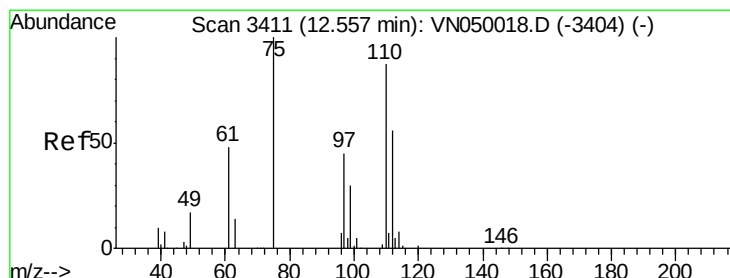
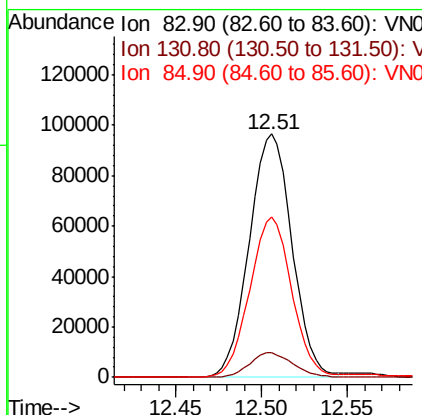
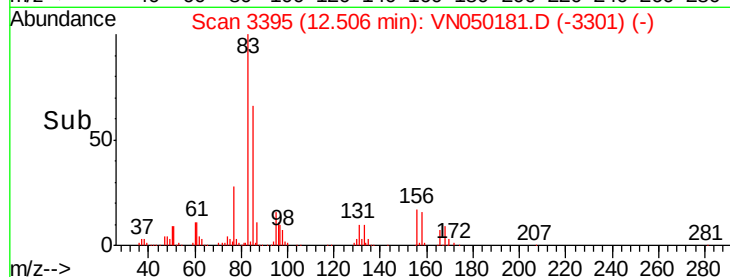
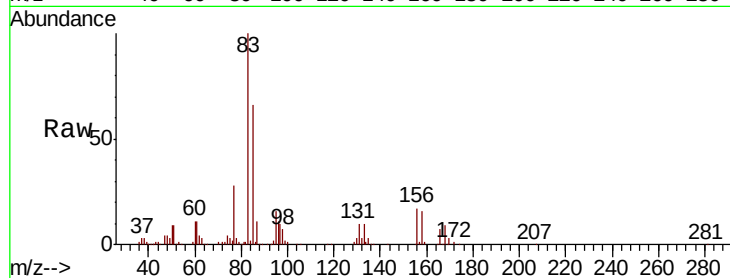
ClientSampleId :

VN0730WBSD01

Tot Ion:	83	Resp:	166446
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	64.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.66 ug/l m

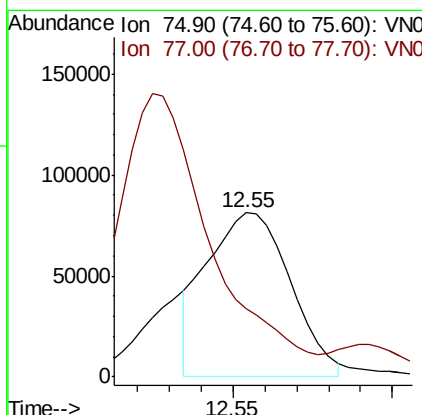
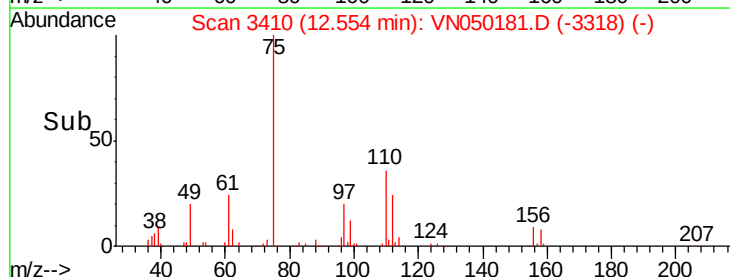
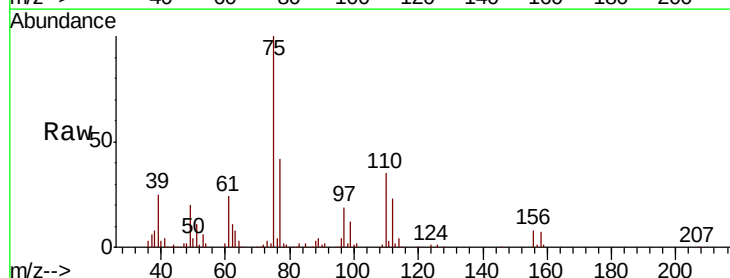
RT: 12.55 min Scan# 3410

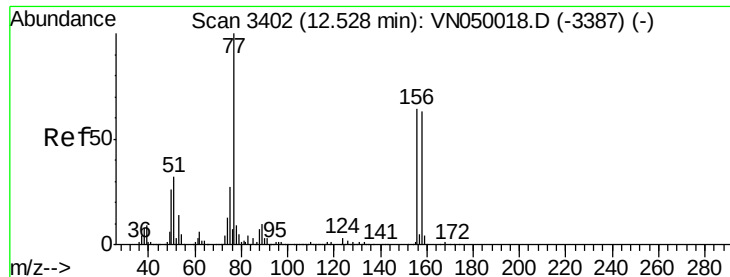
Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Tgt Ion:	75	Resp:	147538
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.15 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

Tot Ion:156 Resp: 158799

Ion Ratio Lower Upper

156 100

77 181.2 91.7 275.1

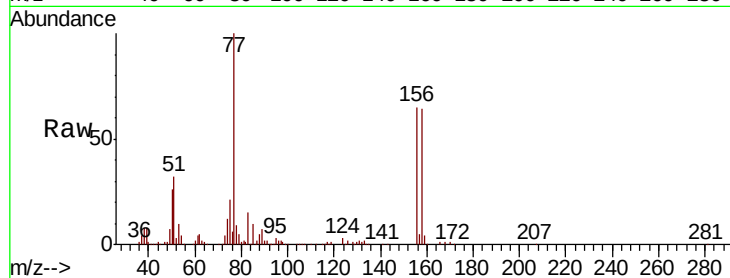
158 97.2 48.9 146.6

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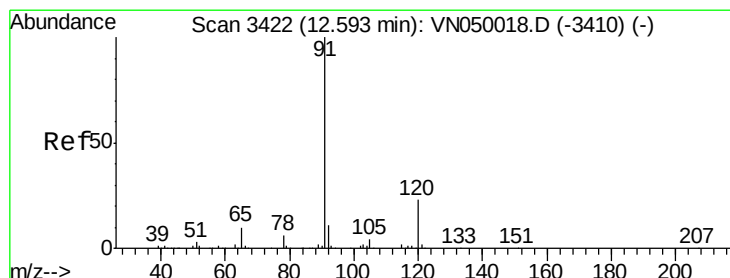
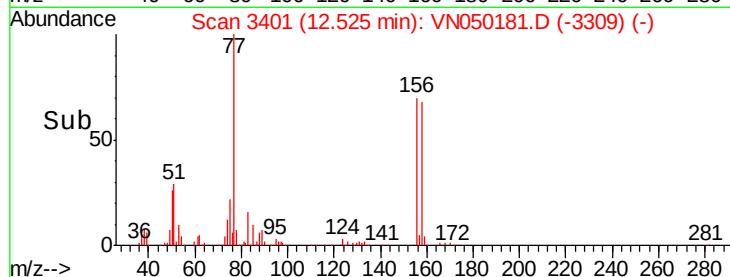
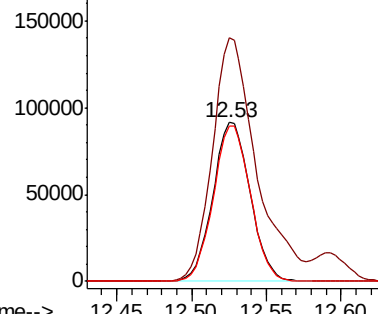
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.73 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050181.D

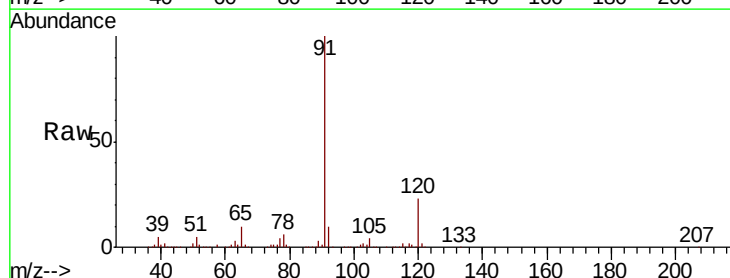
Acq: 30 Jul 2018 12:40

Tgt Ion: 91 Resp: 658830

Ion Ratio Lower Upper

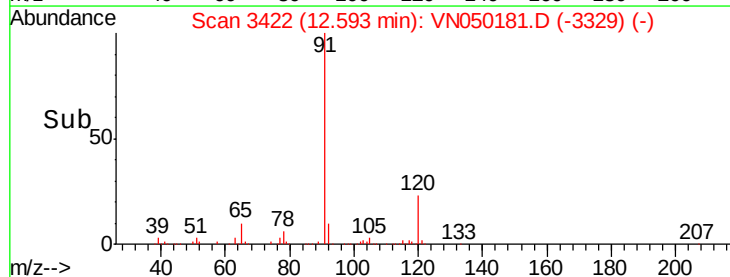
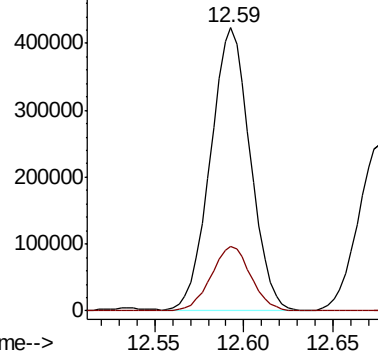
91 100

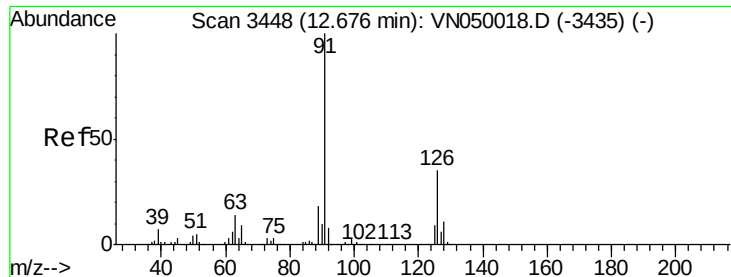
120 22.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.85 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

Tot Ion: 91 Resp: 410736

Ion Ratio Lower Upper

91 100

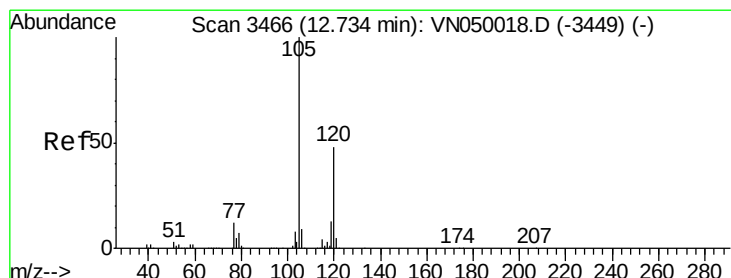
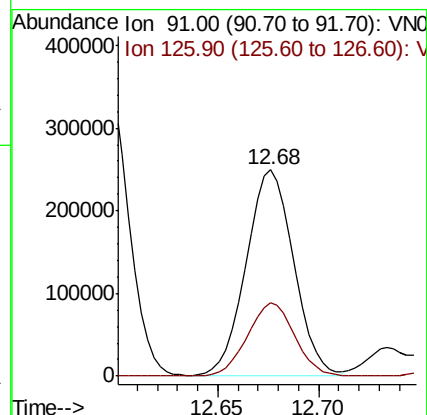
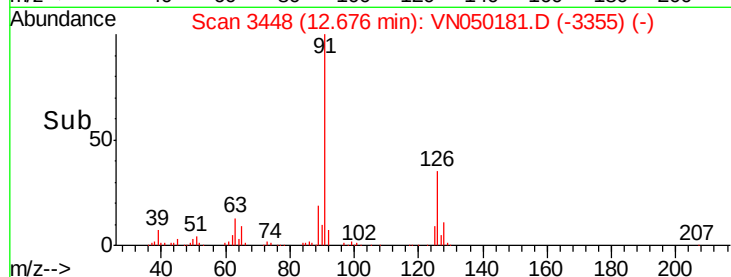
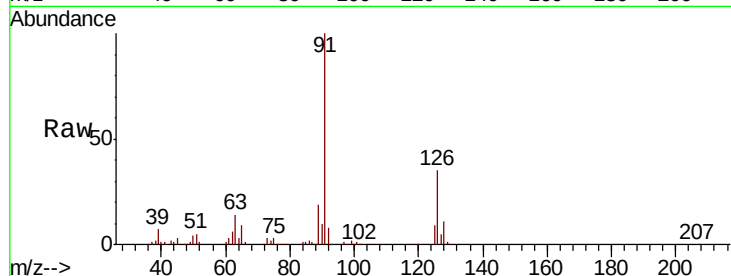
126 35.5 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 21.76 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050181.D

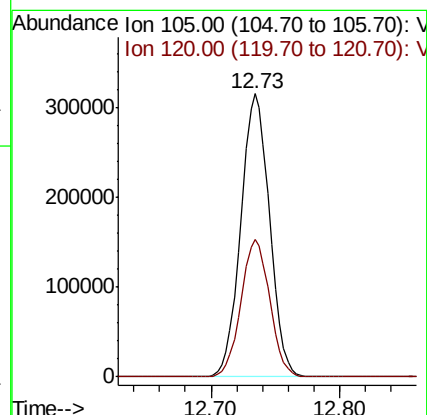
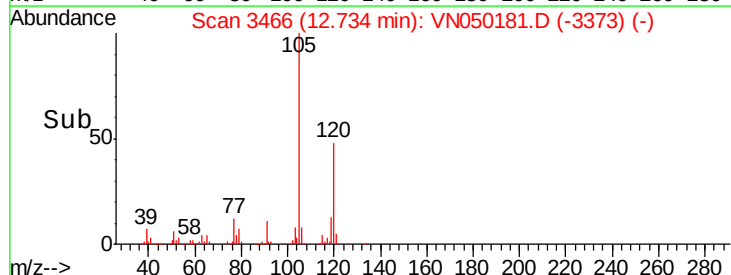
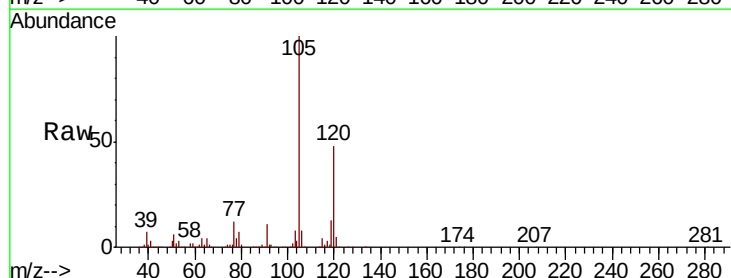
Acq: 30 Jul 2018 12:40

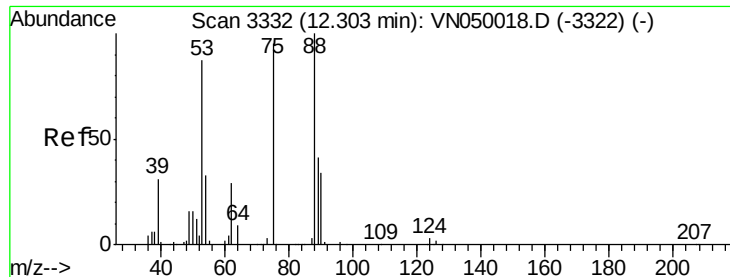
Tgt Ion: 105 Resp: 486594

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.2





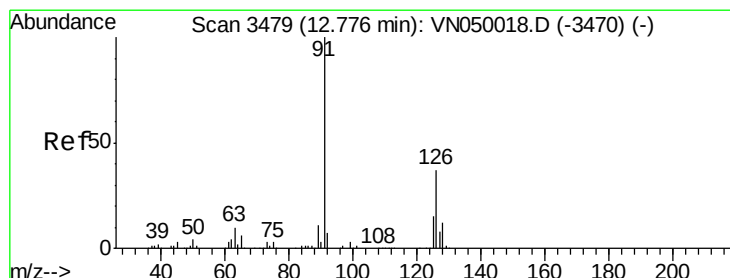
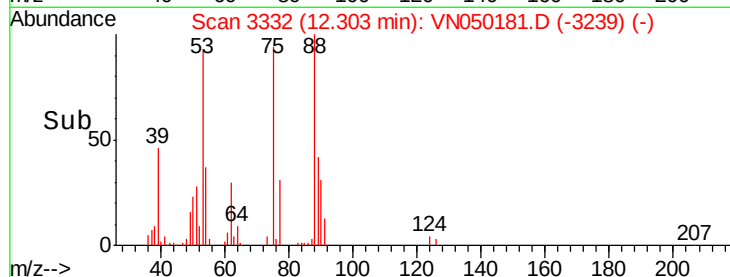
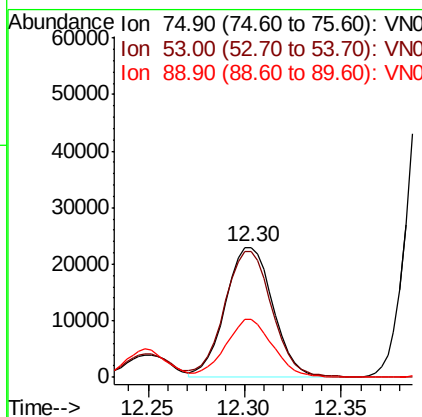
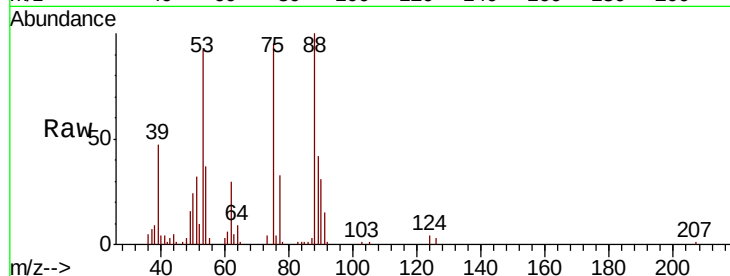
#81
trans-1,4-Dichloro-2-butene
Concen: 18.33 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.4	73.5	110.3
89	44.5	36.0	54.0

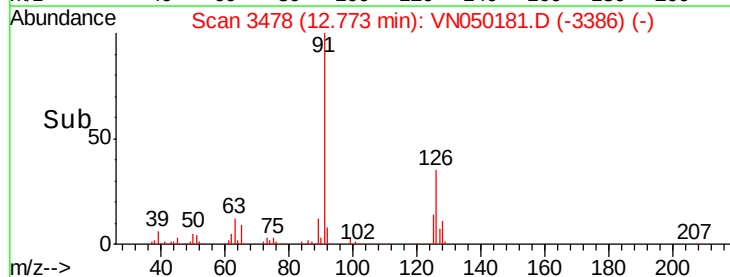
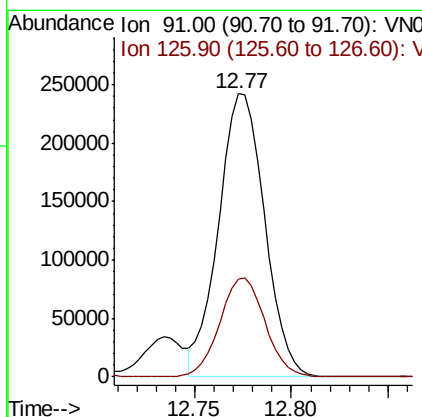
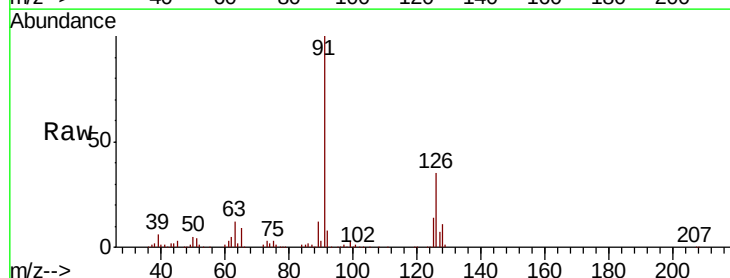
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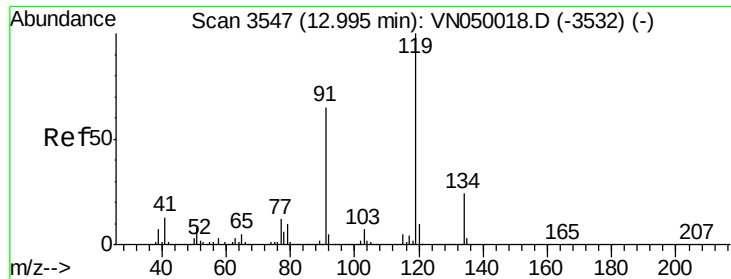
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#82
4-Chlorotoluene
Concen: 20.52 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.0	51.0





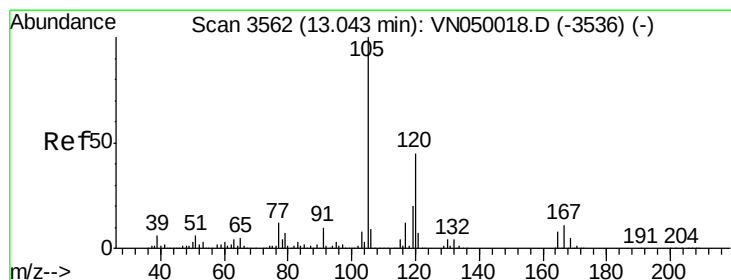
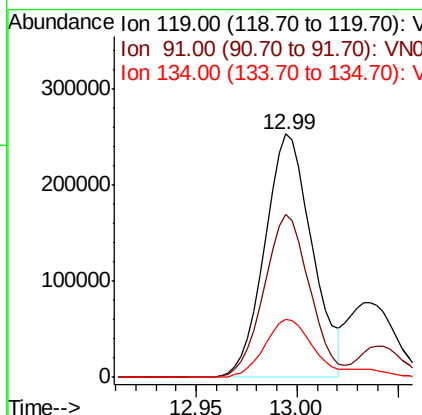
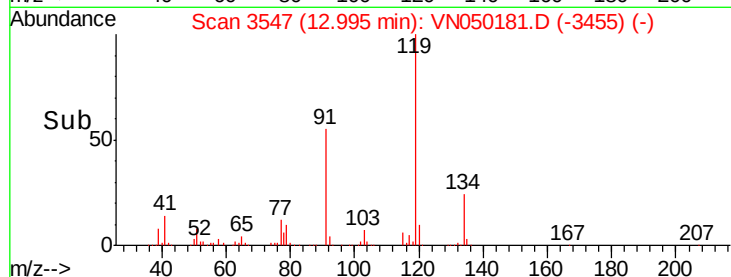
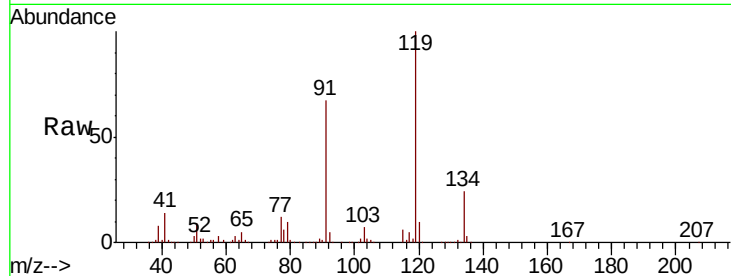
#83
 tert-Butylbenzene
 Concen: 21.15 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.1	96.3
134	24.1	13.2	39.5

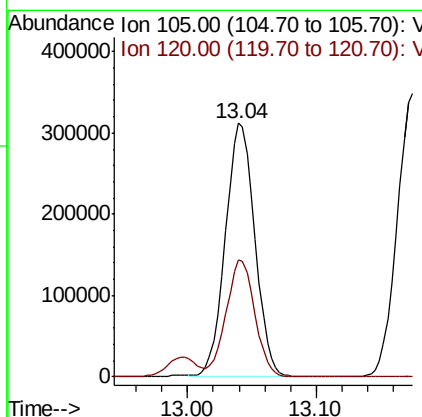
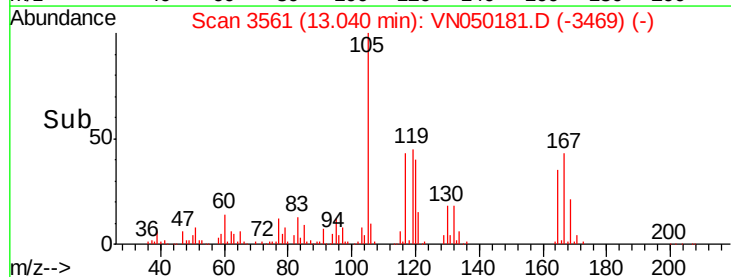
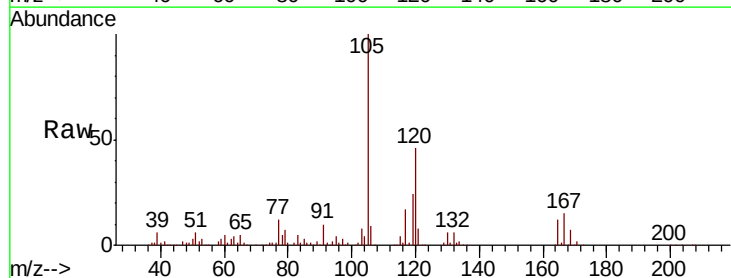
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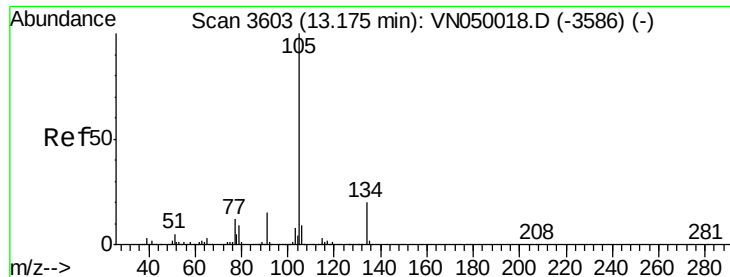
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.86 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.72 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

Tot Ion:105 Resp: 540291

Ion Ratio Lower Upper

105 100

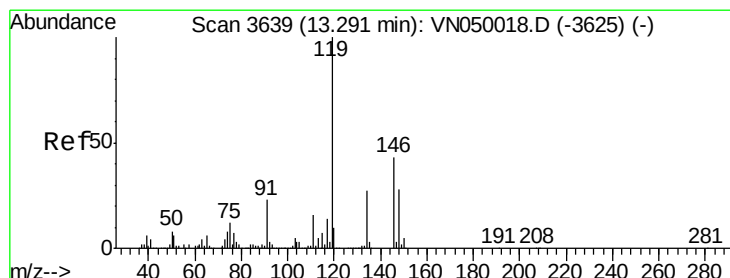
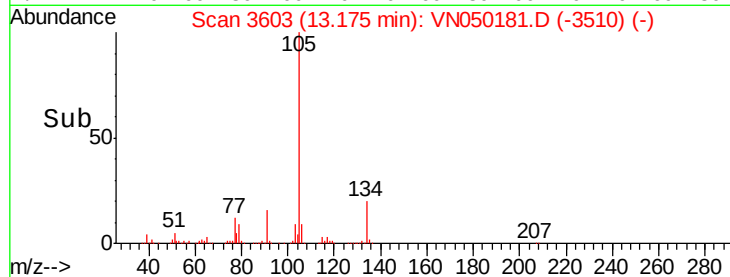
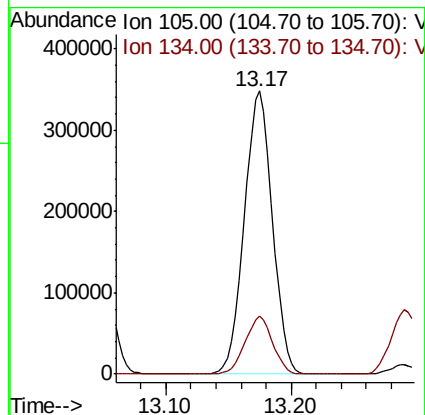
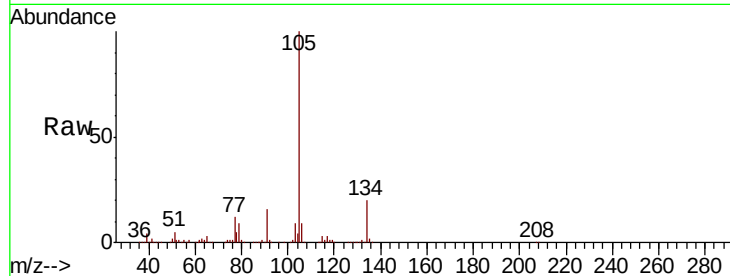
134 20.1 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 20.93 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

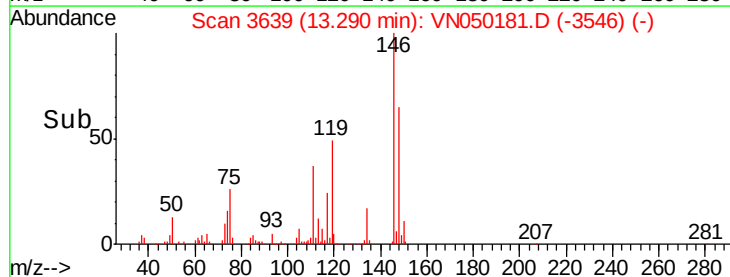
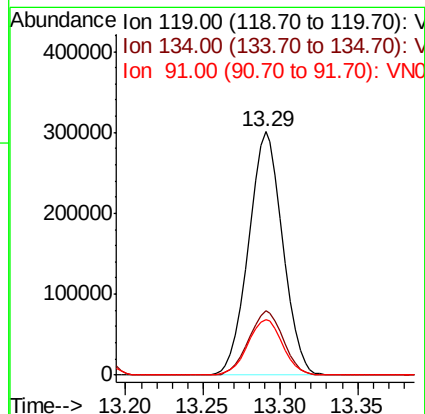
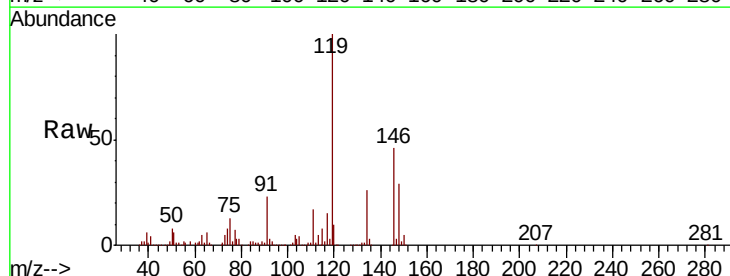
Tgt Ion:119 Resp: 459914

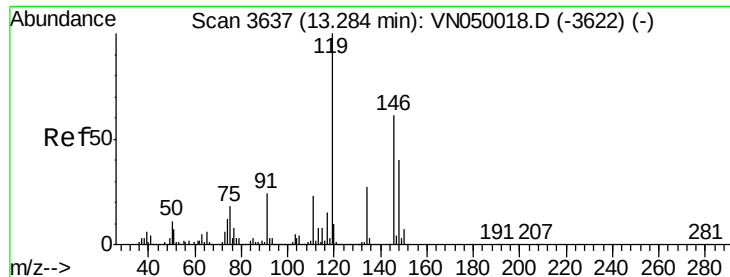
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 23.4 11.4 34.2





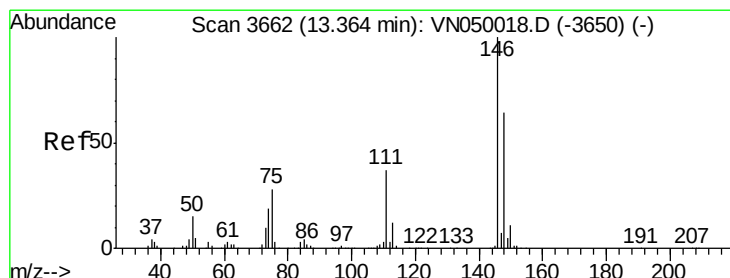
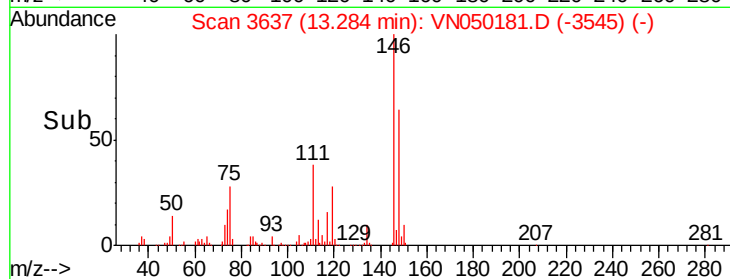
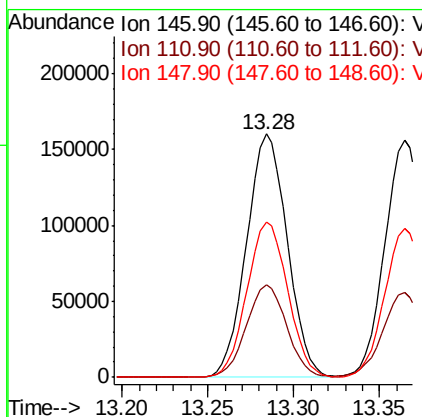
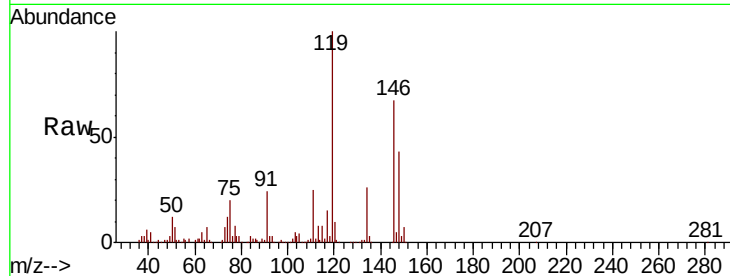
#87
 1,3-Dichlorobenzene
 Concen: 19.69 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.0	31.9	95.9

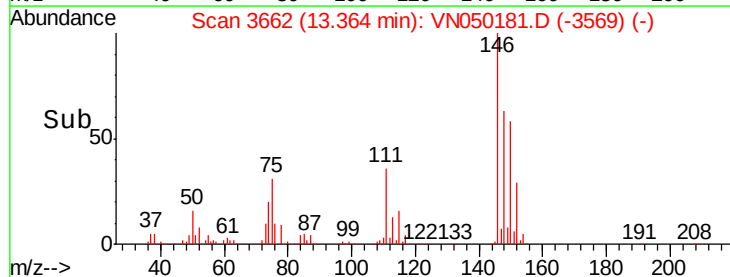
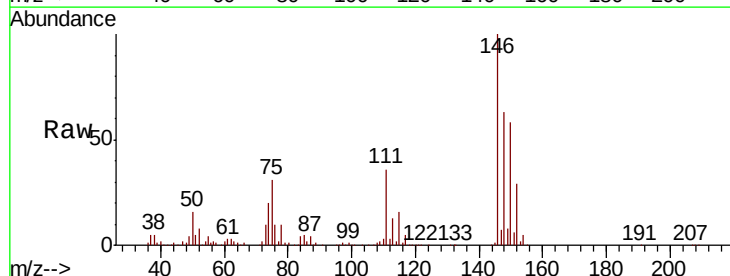
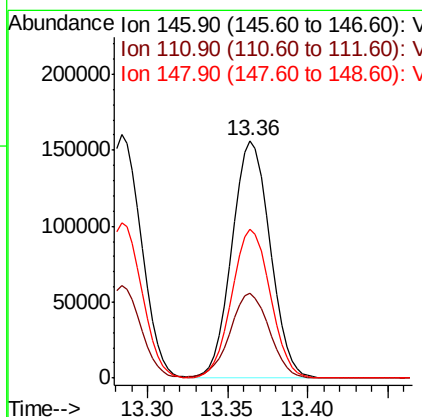
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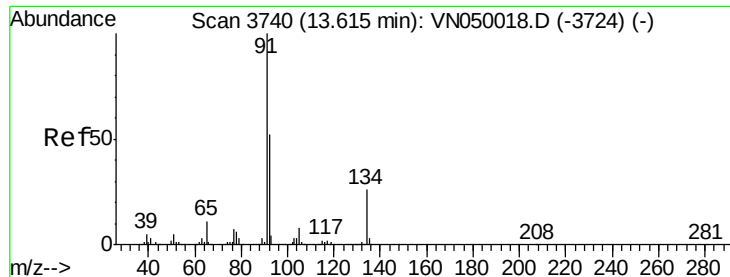
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#88
 1,4-Dichlorobenzene
 Concen: 19.54 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.3	54.9
148	63.3	31.9	95.9





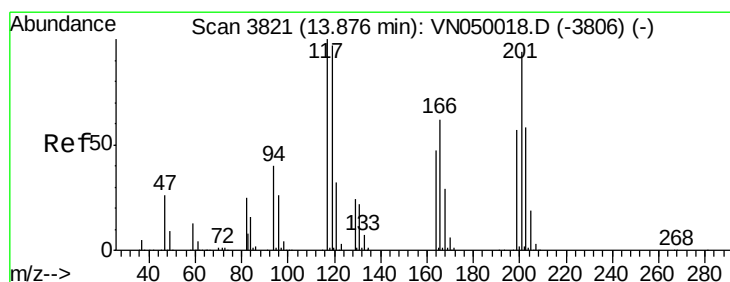
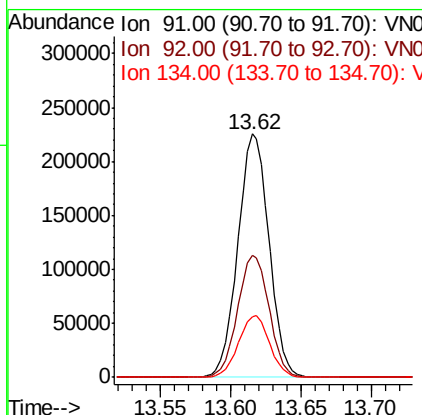
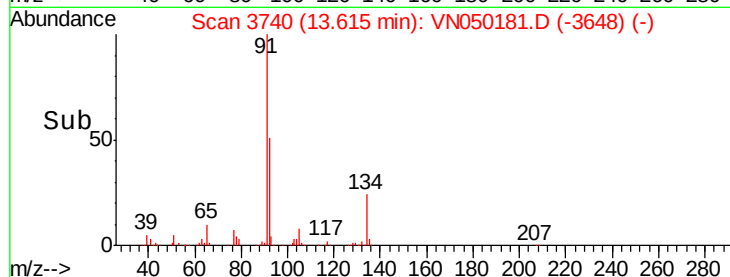
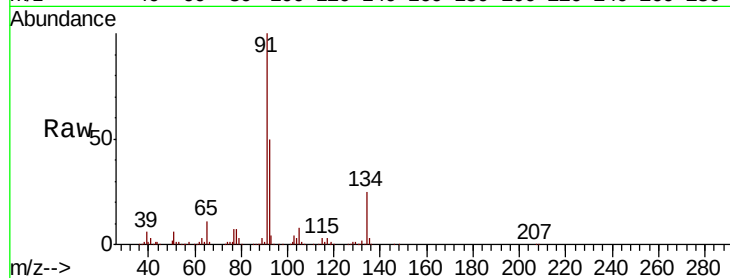
#89
n-Butylbenzene
Concen: 19.31 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.8	77.4
134	25.3	12.8	38.4

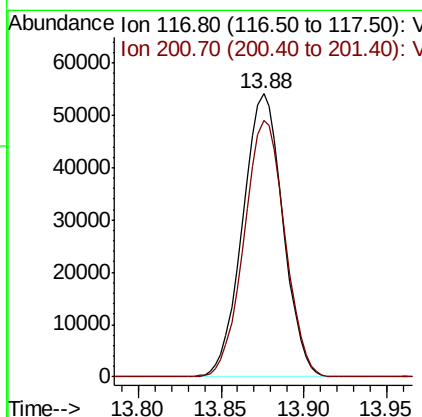
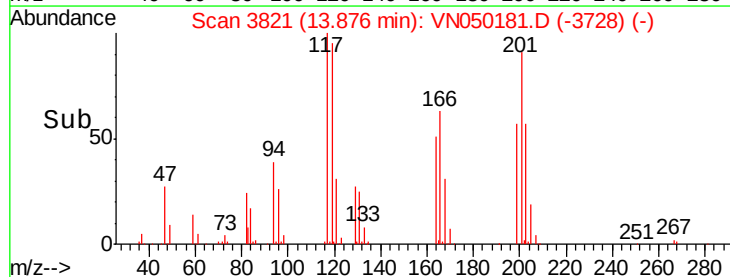
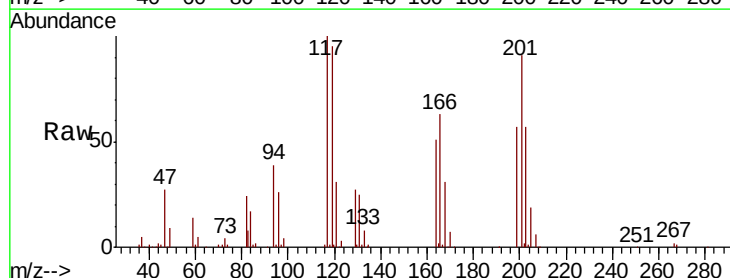
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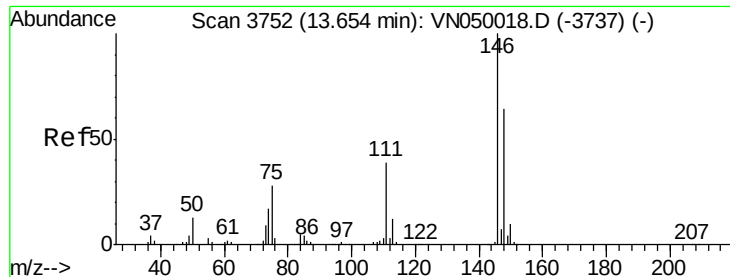
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#90
Hexachloroethane
Concen: 18.75 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.4	45.6	136.8





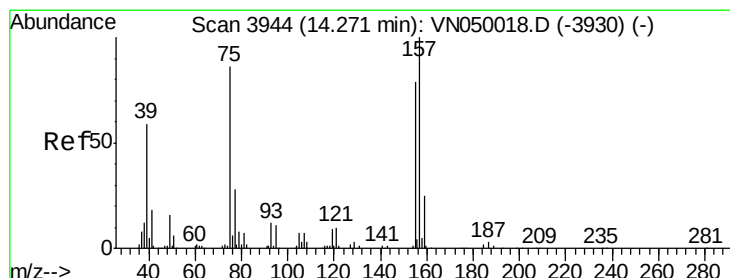
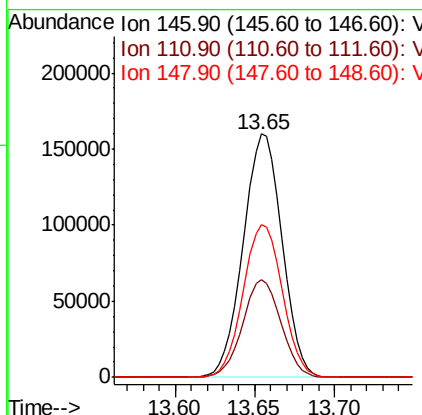
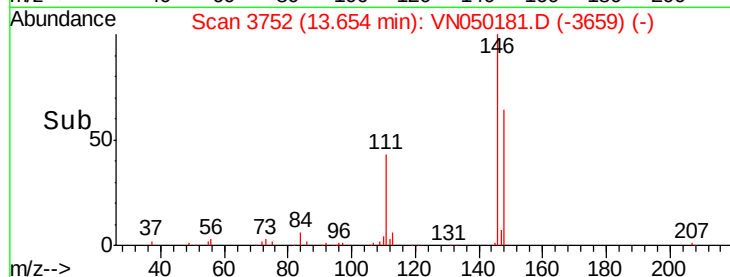
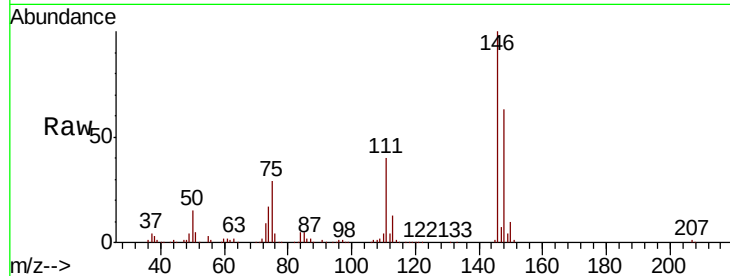
#91
 1,2-Dichlorobenzene
 Concen: 19.89 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	63.3	32.1	96.3

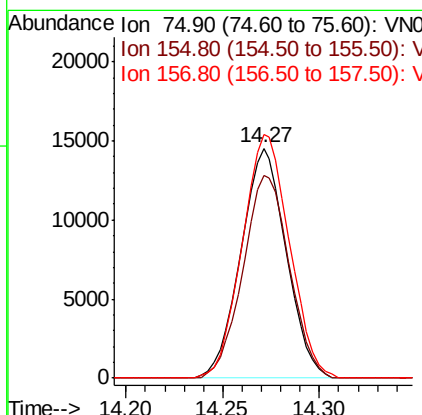
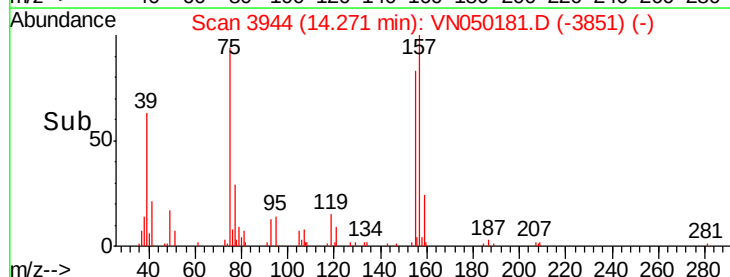
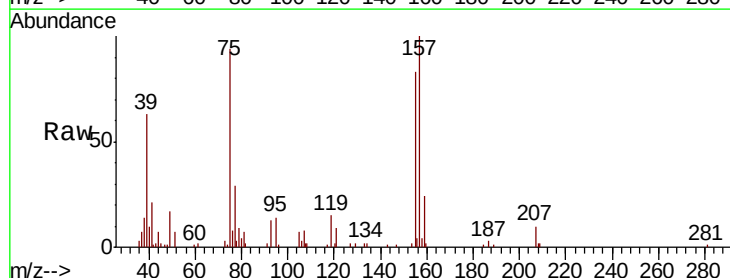
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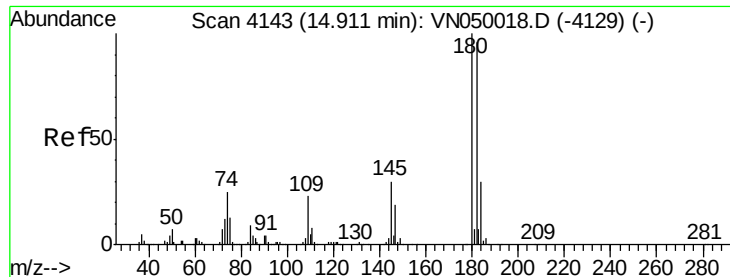
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.21 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	44.8	134.4
157	110.2	57.2	171.6





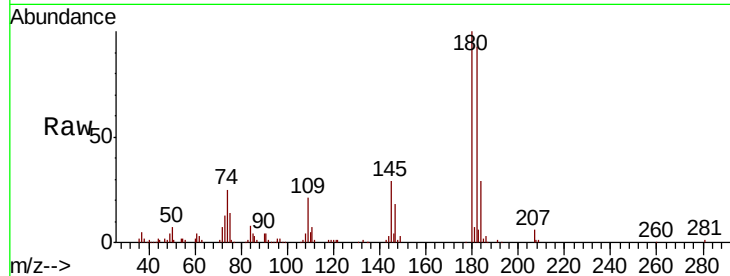
#93
 1,2,4-Trichlorobenzene
 Concen: 16.52 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	101414		
182	93.0	46.7	140.1	
145	28.7	13.8	41.4	

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MMDadoda
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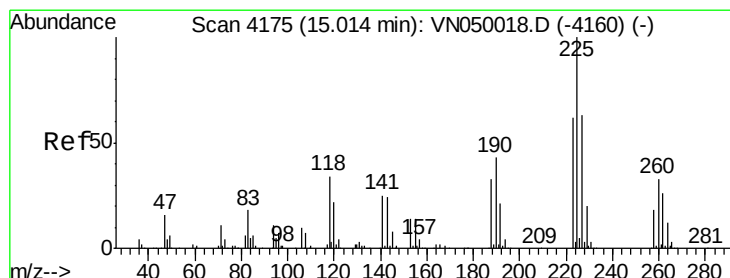
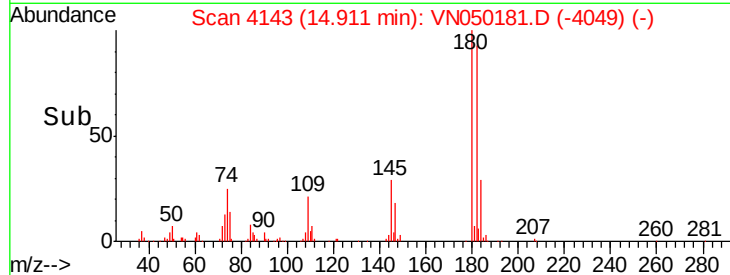
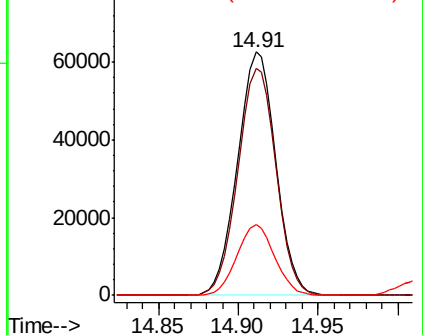


Abundance

Ion 179.80 (179.50 to 180.50): V

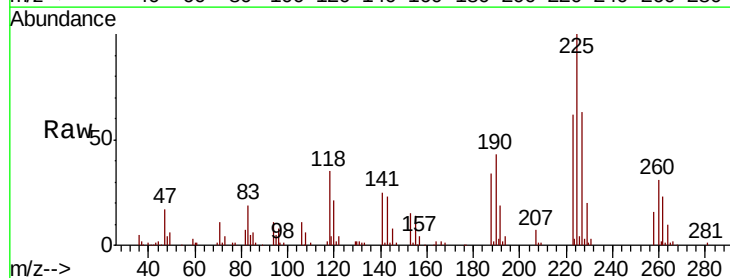
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.58 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80022		
223	62.9	31.4	94.2	
227	62.8	32.1	96.5	

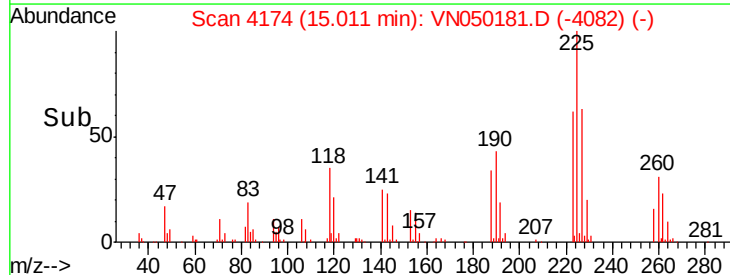
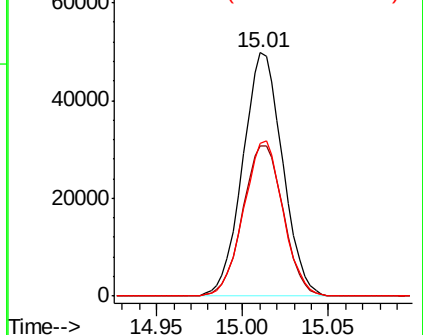


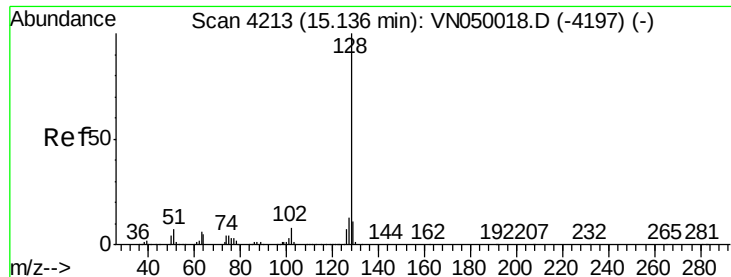
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





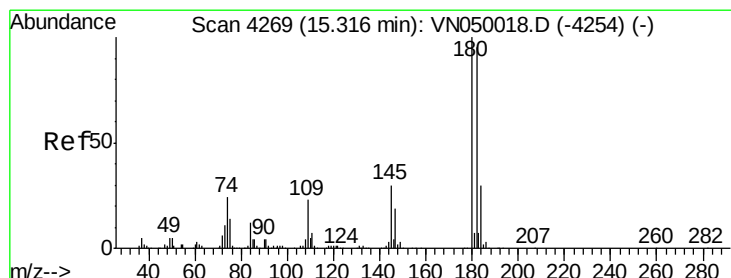
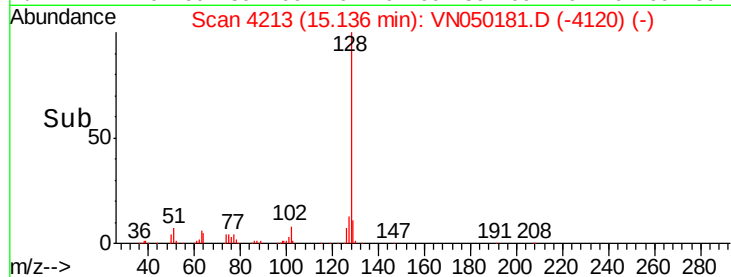
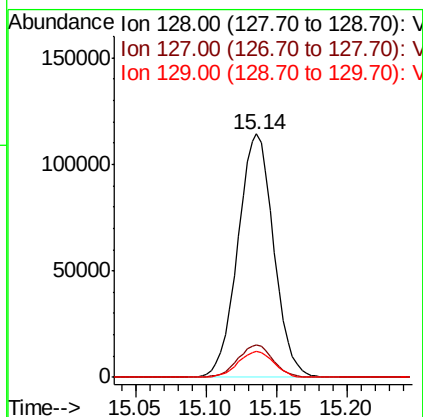
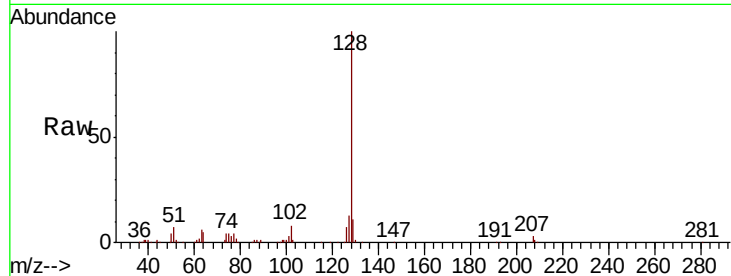
#95
Naphthalene
Concen: 15.46 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	202772		
127	13.1		10.4	15.6
129	10.6		8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 16.95 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	106419		
182	96.0		48.1	144.4
145	28.9		15.3	45.9

